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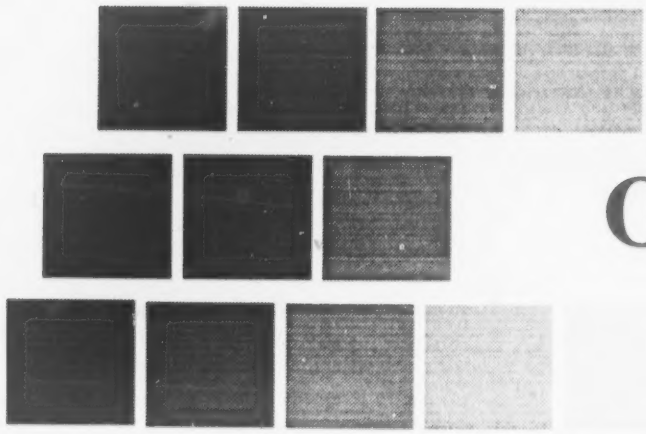

Maine Occupational Staffing

Hospitals

April 1992

LABOR MARKET INFORMATION SERVICES

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DEPARTMENT OF LABOR
DIVISION OF ECONOMIC ANALYSIS AND RESEARCH

MAINE OCCUPATIONAL STAFFING

FOR

HOSPITALS

April 1992

This labor market information is developed through a cooperative program with the U.S. Bureau of Labor Statistics

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PREFACE

We wish to express our thanks to all the hospitals who supplied the necessary occupational employment data on which the estimates presented herein are based. This publication would not have been possible without their cooperation.

We also wish to express our thanks to the U.S Bureau of Labor Statistics, both in Washington, D.C. and the regional level in Boston, Massachusetts, for their assistance in this federal-state cooperative effort. Special thanks also go to Janet White for providing graphics support.

This publication describes Maine hospitals in terms of their occupational composition. It tells what occupations are found in hospitals, and the number of workers employed in each occupation. This type of data has many uses, both public and private. Employers use this data to compare their staffing to their industry. Vocational advisors in high schools, trade and technical colleges, universities, and government employment offices use this data to help place current job seekers and to advise those of the future. This data helps determine what skills would be needed to attract a new firm or industry into an area. The information also gives insight into what jobs might be lost should an industry experience massive reductions in employment. Also, this data forms the basis of the state's occupational employment projections program. The output of this program helps job training specialists and planners from economic development agencies to plan for the future.

For further information regarding this report, please call Wendy Nelson, Senior Economic Research Analyst, at 207-287-2271.

Raynold A. Fongemie, Director
Division of Economic Analysis and Research

A Publication Series Developed by the Field Services Branch

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INTRODUCTION

This publication is one of a continuing number of reports covering occupational employment for selected industries in Maine. The information in these reports relates to part of a comprehensive "labor market and occupational supply and demand information system" which is mandated by the Job Training Partnership Act of 1982 and reinforced by the Carl D. Perkins Vocational and Applied Technology Education Act Amendments of 1990. This federal legislation, coupled with the rapidly expanding public awareness of the need for more vocational training, has resulted in an unparalleled demand for current employment data and projections of future employment requirements by occupation.

The Occupational Employment Statistics (OES) Program is mandated as the system which supplies the occupational data leading to an "Occupational Supply and Demand Information System." The program is a federal-state endeavor involving all state employment security agencies throughout the nation, in conjunction with the U.S. Bureau of Labor Statistics. The OES program consists of two components: survey operations and industry-occupational matrices. The data from this program is then used in our occupational employment projections program.

The first part of the OES program consists primarily of collecting occupational employment data by industry through a survey questionnaire mailed to a sample of establishments throughout the State. The sample data received is expanded using a system of weights, nonresponse adjustment factors, and benchmark factors to produce statewide staffing patterns for this industry. These staffing patterns can be applied to current or projected estimates of industrial employment to produce estimates of employment by occupation for the State or substate areas. This sample data is also submitted to the U.S. Bureau of Labor Statistics for input into National occupational employment statistics, by industry.

This publication, a direct result of the survey phase of the OES program, contains the staffing patterns for hospitals. The actual employment data was collected for the payroll period that included the 12th of April, 1992.

Other publications have already been developed covering nearly all wage and salary workers in Maine. A list of these can be found on page 15. Approximately one-third of the State's industries will be surveyed each year, so that the entire economy will be covered every three years. Using this cycle, employers are asked to provide occupational data only once every three years. This ensures that no part of the data base is over three years old, and that significant changes in the staffing patterns of industries can be identified early, as the trend develops.

The information obtained from these surveys is used in the second phase of the OES program to construct industry-occupation matrices covering all sectors of our economy. These matrices, in turn, provide the data base used to project future occupational needs in the State of Maine.

WAGE COLLECTION IN OES

This survey marks the first survey of hospitals in which wage data was collected through the OES program. This wage data was solicited for all occupations, from all sampled employers. The wages collected were not actual wages, but wage ranges. The ranges were broken down into 11 categories as follows:

RANGE	HOURLY	ANNUAL
A	Under $5.00	Under $10,400
B	$5.00 - 6.49	$10,400 - 13,519
C	$6.50 - 7.99	$13,520 - 16,639
D	$8.00 - 9.99	$16,640 - 20,799
E	$10.00 - 11.99	$20,800 - 24,959
F	$12.00 - 13.99	$24,960 - 29,119
G	$14.00 - 16.99	$29,120 - 35,359
H	$17.00 - 20.99	$35,360 - 43,679
I	$21.00 - 24.99	$43,680 - 51,999
J	$25.00 - 35.00	$52,000 - 72,800
K	Over $35.00	Over $72,800

The U.S. Bureau of Labor Statistics determined that even though the data had been collected by ranges only, the mean and median wage could be accurately calculated. For this publication, only the mean, or average, wage has been included. It should be noted that to produce this average hourly wage, it was assumed that full-time employees worked a 40-hour week. Also, it was requested during wage collection, that hourly, rather than annual, wages be reported for all part-time workers.

Wages collected represent straight-time wages (or earnings); that is, total earnings before payroll deductions, excluding premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump sum payments, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living allowance clauses, incentive payments (such as those resulting from piecework, production bonuses, and commissions), and longevity are included as part of the regular pay.

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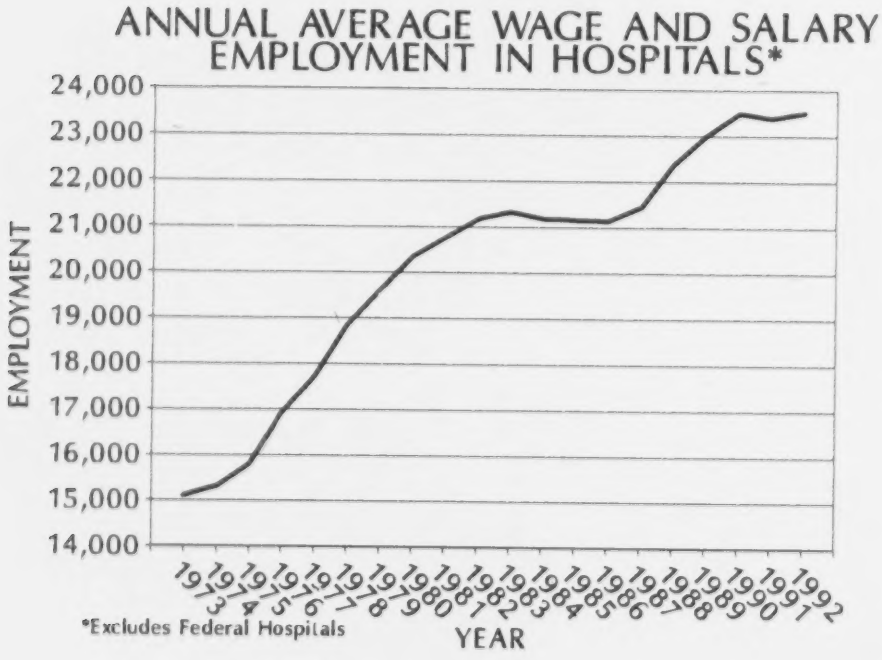
HOSPITALS
SIC 806

Private, state, and municipal hospitals are all included in this survey. Excluded is the U.S. Veterans Administration Hospital at Togus, which is classified under federal government.

Annual average wage and salary employment in hospitals rose steadily from 15,100 workers in 1973 to 21,300 workers in 1983, an increase of 41.1 percent, or 4.1 percent annually. During the years 1983 and 1986 employment in this industry remained fairly constant. Then between 1986 and 1990 employment again grew steadily, this time at a 2.8 percent annual rate, increasing from 21,100 workers to 23,500 workers. However from 1990 through 1992 employment again remained steady, ending this period with 23,500 employees.

In 1992, total wages paid to employees in hospitals equaled $574.9 million. The average annual wage per worker was $24,447. This average wage was 17.9 percent higher than the $20,740 annual average wage for this industry's workers in 1989.

The annual average wage in 1992 was highest for employees at state government hospitals, $26,656. In private hospitals workers averaged $24,474, and in local government-run hospitals, employees averaged $20,675.



There were 23,380 workers employed in 51 hospitals in April, 1992. This is an increase in employment of 2.5 percent since the previous survey in April of 1989, and 11.7 percent since the survey in April of 1986. Although there was employment reported in nearly 150 occupations, over one-half of the total employment, 56 percent, was concentrated in just 10 occupations.

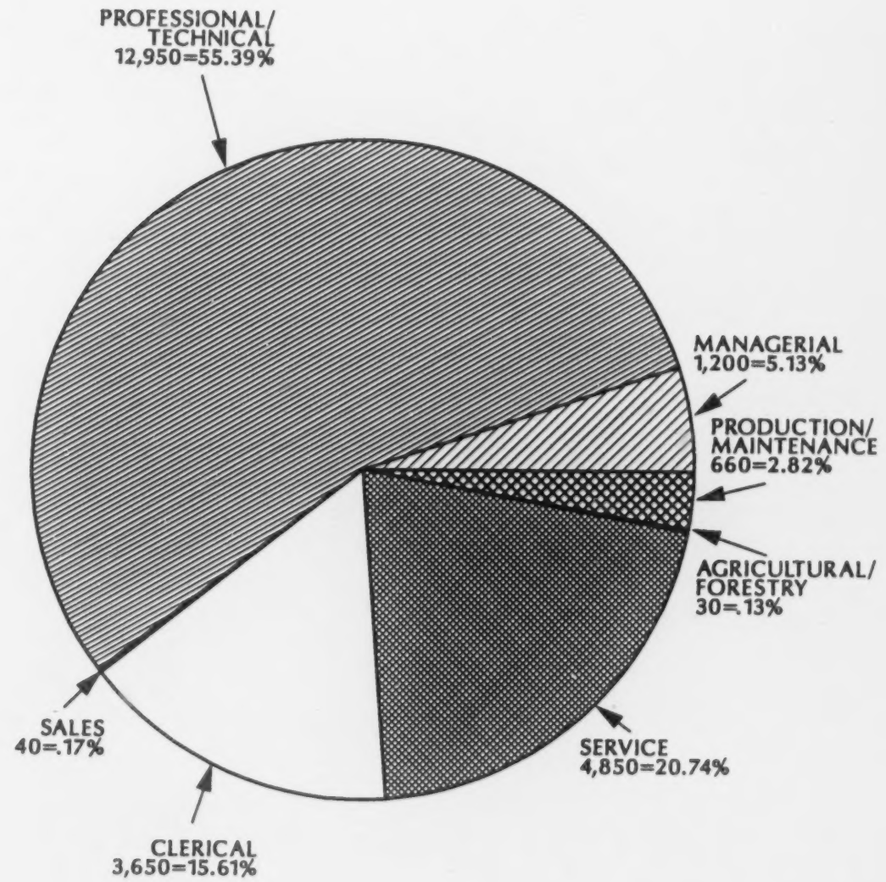
TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 80 HOSPITALS
TOTAL NUMBER OF RESPONDENTS: 38
REFERENCE DATE : April 12, 1992

OCCUPATION		EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
REGISTERED NURSES	325023	6,110	26.13	0.00	94.74
NURSING AIDES, ORDERLIE & ATTENDANTS	660083	1,650	7.06	0.22	81.58
LICENSED PRACTICAL NURSES	325053	1,460	6.24	0.00	94.74
MAIDS & HOUSEKEEPING CLEANERS	670023	780	3.34	0.00	58.42
SECRETARIES, EXCEPT LEGA & MEDICAL	551083	670	2.87	0.15	81.58
MEDICAL & CLINICAL LABORATOR TECHNOLOGISTS	329023	600	2.57	0.00	76.32
MEDICAL SECRETARIES	551053	520	2.22	0.00	58.42
PHYSICIANS & SURGEONS	321023	480	2.05	0.00	44.74
HEALTH SERVICES MANAGERS	150083	470	2.01	0.00	78.95
FOOD PREPARATION WORKERS	650383	420	1.80	0.58	55.26
	TOTAL	13,160	56.29		

TOP 11 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 80 HOSPITALS
TOTAL NUMBER OF RESPONDENTS: 38
REFERENCE DATE : April 12, 1992

OCCUPATION		EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
REGISTERED NURSES	325023	6,110	26.13	0.00	94.74
LICENSED PRACTICAL NURSES	325053	1,460	6.24	0.00	94.74
COOKS, INSTITUTION O CAFETERIA	650283	200	0.86	0.00	89.47
SOCIAL WORKERS, MEDICAL PSYCHIATRIC	273023	300	1.28	2.00	84.21
PHYSICAL THERAPISTS	323083	200	0.86	0.00	84.21
MEDICAL RECORDS TECHNICIANS	329113	310	1.33	0.00	81.58
SECRETARIES, EXCEPT LEGA & MEDICAL	551083	670	2.87	0.15	81.58
NURSING AIDES, ORDERLIE & ATTENDANTS	660083	1,650	7.06	0.22	81.58
PERSONNEL, TRAINING & LABO RELATIONS MANAGERS	130053	60	0.26	0.00	78.95
HEALTH SERVICES MANAGERS	150083	470	2.01	0.00	78.95
PHARMACISTS	325173	160	0.68	0.00	78.95

ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN HOSPITALS



MAINE
SIC 80 HOSPITALS
BENCHMARK EMPLOYMENT: 23,350 TOTAL NUMBER OF RESPONDENTS: 38
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	23,380	100.00	N.A.	N.A.	$12.60
MANAGERIAL & ADMINISTRATIVE.....100003	1,200	5.13	N.A.	N.A.	21.10
FINANCIAL MANAGERS.....130023	70	0.30	0.00	68.42	24.50
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS.....130053	60	0.26	0.00	78.95	21.80
PURCHASING MANAGERS.....130083	30	0.13	0.00	63.16	15.50
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS.....130113	30	0.13	0.00	52.63	18.10
ADMINISTRATIVE MANAGERS.....130143	60	0.26	0.00	31.58	21.40
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS.....130173	30	0.13	0.00	26.32	23.70
HEALTH SERVICES MANAGERS.....150083	470	2.01	0.00	78.95	21.10
FOOD SERVICE/LODGING MANAGERS.....150263	50	0.21	0.00	65.79	15.20
GENERAL MANAGERS & TOP EXECUTIVES.....190053	150	0.64	1.67	65.79	25.20
ALL OTHER MANAGERS & ADMINISTRATORS.....199993	250	1.07	N.A.	N.A.	19.70
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	12,950	55.39	N.A.	N.A.	15.10
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS.....211003	100	0.43	N.A.	N.A.	13.30
ACCOUNTANTS & AUDITORS.....211143	60	0.26	0.00	55.26	13.70
BUDGET ANALYSTS.....211173	10	0.04	0.00	21.05	14.70
OTHER FINANCIAL SPECIALISTS.....211993	30	0.13	N.A.	N.A.	11.90
PURCHASING AGENTS.....213083	30	0.13	0.00	28.95	11.20
PERSONNEL, TRAINING & LABOR RELATIONS SPECIALISTS.....215113	60	0.26	0.00	39.47	13.20
COMPLIANCE OFFICERS, EXCEPT CONSTRUCTION.....219113	10	0.04	0.00	15.79	15.50
ALL OTHER MANAGEMENT SUPPORT.....219993	80	0.34	N.A.	N.A.	16.30
ALL OTHER ENGINEERS & RELATED.....229993	10	0.04	N.A.	N.A.	15.40
LIFE SCIENTISTS.....243003	10	0.04	N.A.	N.A.	28.50
MEDICAL SCIENTISTS.....243113	10	0.04	0.00	7.89	28.50
COMPUTER SCIENTISTS & RELATED.....251003	80	0.34	N.A.	N.A.	16.30
SYSTEMS ANALYSTS.....251023	40	0.17	0.00	26.32	17.80
COMPUTER PROGRAMMERS.....251053	30	0.13	0.00	26.32	15.40
OTHER COMPUTER SCIENTISTS & RELATED.....251993	10	0.04	N.A.	N.A.	12.60
SOCIAL SCIENTISTS, INCLUDING URBAN & REGIONAL PLANNERS.....271003	50	0.21	N.A.	N.A.	18.70
PSYCHOLOGISTS.....271083	20	0.09	0.00	15.79	25.00
ALL OTHER SOCIAL SCIENTISTS.....271993	30	0.13	N.A.	N.A.	13.70
SOCIAL WORKERS, MEDICAL & PSYCHIATRIC.....273023	300	1.28	2.00	84.21	14.60
SOCIAL WORKERS, EXCEPT MEDICAL & PSYCHIATRIC.....273053	20	0.09	0.00	15.79	12.70
OTHER SOCIAL SCIENCE & RELATED.....273993	10	0.04	N.A.	N.A.	9.20

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 80 HOSPITALS
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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
RELIGIOUS WORKERS.....275003	20	0.09	N.A.	N.A.	$14.10
CLERGY.....275023	20	0.09	0.00	21.05	14.10
TEACHERS.....311003	20	0.09	N.A.	N.A.	18.00
NURSING INSTRUCTORS.....311143	20	0.09	0.00	10.53	18.00
OTHER TEACHERS/INSTRUCTORS.....313993	40	0.17	N.A.	N.A.	17.90
LIBRARIANS, PROFESSIONAL.....315023	20	0.09	0.00	34.21	13.00
TECHNICAL ASSISTANTS, LIBRARY.....315053	20	0.09	0.00	15.79	8.50
HEALTH PRACTITIONERS, TECHNICIANS & TECHNOLOGISTS.....320003	11,970	51.20	N.A.	N.A.	15.20
PHYSICIANS & SURGEONS.....321023	480	2.05	0.00	44.74	25.00
OTHER HEALTH DIAGNOSING & TREATING PRACTITIONERS.....321993	10	0.04	N.A.	N.A.	22.20
RESPIRATORY THERAPISTS.....323023	320	1.37	0.00	63.16	13.80
OCCUPATIONAL THERAPISTS.....323053	100	0.43	0.00	57.89	16.30
PHYSICAL THERAPISTS.....323083	200	0.86	0.00	84.21	17.50
SPEECH PATHOLOGISTS & AUDIOLOGISTS.....323143	30	0.13	0.00	18.42	19.40
RECREATIONAL THERAPISTS.....323173	20	0.09	0.00	18.42	12.60
ALL OTHER THERAPISTS.....323993	10	0.04	N.A.	N.A.	10.10
REGISTERED NURSES.....325023	6,110	26.13	0.00	94.74	16.80
LICENSED PRACTICAL NURSES.....325053	1,460	6.24	0.00	94.74	10.40
EMERGENCY MEDICAL TECHNICIANS.....325083	200	0.86	0.00	23.68	7.60
PHYSICIAN'S ASSISTANTS.....325113	110	0.47	0.00	42.11	21.70
PHARMACISTS.....325173	160	0.68	0.00	78.95	22.70
DIETITIANS & NUTRITIONISTS.....325213	60	0.26	0.00	57.89	14.50
DIETETIC TECHNICIANS.....325233	90	0.38	0.00	44.74	9.10
MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS.....329023	600	2.57	0.00	76.32	14.80
MEDICAL & CLINICAL LABORATORY TECHNICIANS.....329053	260	1.11	0.00	63.16	12.60
MEDICAL RECORDS TECHNICIANS.....329113	310	1.33	0.00	81.58	8.80
NUCLEAR MEDICINE TECHNOLOGISTS.....329143	50	0.21	0.00	50.00	15.20
RADIOLOGIC TECHNOLOGISTS.....329173	360	1.54	0.00	68.42	13.30
RADIOLOGIC TECHNICIANS.....329213	190	0.81	0.00	42.11	12.40
ELECTROENCEPHALOGRAPH TECHNOLOGISTS.....329233	10	0.04	0.00	7.89	11.80
CARDIOLOGY TECHNOLOGISTS.....329253	80	0.34	0.00	28.95	14.20
ELECTROCARDIOGRAPH TECHNICIANS.....329263	50	0.21	0.00	26.32	8.80
SURGICAL TECHNICIANS.....329283	220	0.94	0.00	63.16	10.80
PSYCHIATRIC TECHNICIANS.....329313	180	0.77	0.00	15.79	8.20
OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS/TECHNICIANS.....329993	300	1.28	N.A.	N.A.	12.00
PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS.....340083	10	0.04	0.00	15.79	12.80
PHOTOGRAPHERS.....340233	10	0.04	0.00	7.89	13.70

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 80 HOSPITALS
BENCHMARK EMPLOYMENT: 23,350 TOTAL NUMBER OF RESPONDENTS: 38
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS.....399993	80	0.34	N.A.	N.A.	$11.90
SALES & RELATED OCCUPATIONS.....400003	40	0.17	N.A.	N.A.	7.60
CASHIERS.....490233	40	0.17	0.00	31.58	7.60
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	3,650	15.61	N.A.	N.A.	8.50
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	240	1.03	0.00	71.05	11.30
OTHER BANKING, SECURITY, FINANCE & CREDIT WORKERS.....531993	10	0.04	N.A.	N.A.	8.70
MEDICAL SECRETARIES.....551053	520	2.22	0.00	68.42	8.40
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	670	2.87	0.15	81.58	9.30
STENOGRAPHERS.....553023	90	0.38	0.00	21.05	8.40
RECEPTIONISTS & INFORMATION CLERKS.....553053	350	1.50	0.00	63.16	8.00
TYPISTS, INCLUDING WORD PROCESSING.....553073	100	0.43	0.00	26.32	9.50
PERSONNEL CLERKS, EXCEPT PAYROLL & TIMEKEEPING.....553143	30	0.13	0.00	34.21	9.00
FILE CLERKS.....553213	70	0.30	0.00	36.84	6.60
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE.....553233	40	0.17	0.00	26.32	8.60
PROCUREMENT CLERKS.....553263	20	0.09	0.00	18.42	8.30
STATISTICAL CLERKS.....553283	30	0.13	0.00	10.53	9.00
INTERVIEWING CLERKS, EXCEPT PERSONNEL OR WELFARE.....553323	80	0.34	0.00	13.16	7.10
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	80	0.34	0.00	60.53	8.50
PAYROLL & TIMEKEEPING CLERKS.....553413	50	0.21	0.00	63.16	8.90
BILLING, COST & RATE CLERKS.....553443	190	0.81	0.00	55.26	8.20
GENERAL OFFICE CLERKS.....553473	400	1.71	0.00	55.26	7.60
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	170	0.73	N.A.	N.A.	8.50
OPERATORS, BILLING/POSTING/ CALCULATING MACHINES.....560023	30	0.13	0.00	10.53	7.70
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT.....560113	70	0.30	0.00	39.47	9.20
DATA ENTRY KEYERS, EXCEPT COMPOSING.....560173	30	0.13	0.00	36.84	8.00
OTHER OFFICE MACHINE OPERATORS.....560993	40	0.17	N.A.	N.A.	8.20
SWITCHBOARD OPERATORS.....571023	260	1.11	0.00	71.05	7.20
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	190	0.81	N.A.	N.A.	7.70
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	120	0.51	0.00	42.11	7.90
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	40	0.17	0.00	34.21	7.30
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING.....580993	30	0.13	N.A.	N.A.	7.60
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	60	0.26	N.A.	N.A.	7.40
SERVICE OCCUPATIONS.....600003	4,850	20.74	N.A.	N.A.	7.30
HOUSEKEEPERS.....610083	200	0.86	0.00	63.16	7.70

N.A. - not available or not calculated

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MAINE
SIC 80 HOSPITALS
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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
OTHER SERVICE SUPERVISORS.....610993	70	0.30	N.A.	N.A.	$10.20
GUARDS & WATCH GUARDS.....630473	80	0.34	0.00	23.68	7.40
FOOD, BEVERAGE PREPARATION & SERVICE WORKERS.....650003	1,150	4.92	N.A.	N.A.	6.60
FOOD SERVERS, OUTSIDE.....650113	100	0.43	0.00	15.79	6.20
DINING ROOM & CAFETERIA ATTENDANTS, BARTENDER HELP.....650143	40	0.17	0.00	15.79	6.60
COUNTER ATTENDANTS, COFFEE SHOP, LUNCHROOM, CAFETERIA.....650173	20	0.09	0.00	10.53	6.20
BAKERS, BREAD & PASTRY.....650213	10	0.04	0.00	13.16	8.00
COOKS, INSTITUTION OR CAFETERIA.....650283	200	0.86	0.00	89.47	8.10
FOOD PREPARATION WORKERS.....650383	420	1.80	0.58	55.26	6.40
OTHER FOOD SERVICE WORKERS.....650993	360	1.54	N.A.	N.A.	6.00
HEALTH SERVICE & RELATED.....660003	2,370	10.14	N.A.	N.A.	7.90
MEDICAL ASSISTANTS.....660053	40	0.17	0.00	18.42	8.40
NURSING AIDES, ORDERLIES & ATTENDANTS.....660083	1,650	7.06	0.22	81.58	7.70
HOME HEALTH AIDES.....660113	20	0.09	0.00	7.89	7.20
PHYSICAL & CORRECTIVE THERAPY ASSISTANTS & AIDES.....660173	80	0.34	0.00	60.53	8.00
OCCUPATIONAL THERAPY ASSISTANTS & AIDES.....660213	20	0.09	0.00	21.05	8.20
AMBULANCE DRIVERS & ATTENDANTS.....660233	10	0.04	0.00	7.89	6.40
PHARMACY ASSISTANTS.....660263	180	0.77	0.00	65.79	8.10
OTHER HEALTH SERVICE.....660993	370	1.58	N.A.	N.A.	8.70
MAIDS & HOUSEKEEPING CLEANERS.....670023	780	3.34	0.00	68.42	6.40
JANITORS & CLEANERS.....670053	130	0.56	0.00	31.58	7.80
OTHER CLEANING & BUILDING SERVICE WORKERS.....670993	20	0.09	N.A.	N.A.	7.80
ALL OTHER SERVICE WORKERS.....699993	50	0.21	N.A.	N.A.	7.30
AGRICULTURAL, FORESTRY, FISHING & RELATED.....700003	30	0.13	N.A.	N.A.	7.60
GARDENERS & GROUNDSKEEPERS.....790303	30	0.13	0.00	31.58	7.60
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	660	2.82	N.A.	N.A.	10.20
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	40	0.17	N.A.	N.A.	16.40
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	30	0.13	0.00	34.21	16.70
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	10	0.04	N.A.	N.A.	15.80
MECHANICS, INSTALLERS & REPAIRERS.....850003	210	0.90	N.A.	N.A.	10.60
MACHINERY MAINTENANCE MECHANICS.....851103	20	0.09	0.00	15.79	11.40
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	100	0.43	1.04	57.89	8.80
HEATING/AIR CONDITIONING/ REFRIGERATION MECHANICS.....859023	20	0.09	0.00	15.79	11.30
ELECTROMEDICAL & BIOMEDICAL EQUIPMENT REPAIRERS.....859083	30	0.13	0.00	18.42	12.60
OTHER MECHANICS, INSTALLERS & REPAIRERS.....859993	40	0.17	N.A.	N.A.	12.20

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 80 HOSPITALS
BENCHMARK EMPLOYMENT: 23,350 TOTAL NUMBER OF RESPONDENTS: 38
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
CONSTRUCTION TRADE WORKERS, EXCEPT MATERIAL MOVING.....870003	170	0.73	N.A.	N.A.	$11.00
CARPENTERS.....871023	40	0.17	0.00	28.95	11.00
ELECTRICIANS.....872023	40	0.17	0.00	28.95	12.20
PAINTERS & PAPERHANGERS, CONSTRUCTION & MAINTENANCE.....874023	60	0.26	0.00	39.47	10.30
PLUMBERS, PIPEFITTERS & STEAMFITTERS.....875023	30	0.13	0.00	21.05	11.00
TEXTILE & RELATED SETTERS & OPERATORS.....927003	90	0.38	N.A.	N.A.	7.00
LAUNDRY & DRYCLEANING OPERATORS, EXCEPT PRESSING.....927263	90	0.38	0.00	28.95	7.00
OTHER TEXTILE & RELATED SETTERS & OPERATORS.....927993	20	0.09	N.A.	N.A.	7.40
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	40	0.17	N.A.	N.A.	9.50
BOILER OPERATORS, LOW PRESSURE.....929263	40	0.17	0.00	18.42	9.50
PLANT & SYSTEM WORKERS.....950003	20	0.09	N.A.	N.A.	11.40
OTHER PLANT & SYSTEM OPERATORS.....950993	20	0.09	N.A.	N.A.	11.40
MOTOR VEHICLE OPERATORS.....971003	50	0.21	N.A.	N.A.	7.80
TRUCK DRIVERS-LIGHT, INCLUDE DELIVERY/ROUTE WORKERS.....971053	50	0.21	0.00	15.79	7.80
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	20	0.09	N.A.	N.A.	8.50

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

NOTES ABOUT THE TABLES

Employment
As mandated by our confidentiality rule, if only one or two establishments reported a particular occupation, the employment for that occupation is not shown separately, but added to the appropriate "All Other" residual category. Also, if 50 percent or more of the employment for an occupation was reported by only one company, or if 75 percent or more of the employment was reported by only two firms, the estimate for this occupation will not be published unless authorization from the firm or firms is requested and received. The "Benchmark Employment" for each industry was based on the second quarter 1992 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law.

Employment and Percent of Total Employment
The detail in these columns may not add to totals due to rounding. Also, Total Employment may not equal Benchmark Employment due to rounding.

Relative Error (in %)
The relative error was computed only for specific occupations and not for residual categories nor the occupational groupings. Within an industry whose total response rate was 70 percent or better, occupational employment for an occupation with a relative error greater than 50 percent was not published separately but added to the residual category relevant to it. Within an industry whose total response rate was between 60 and 70 percent, occupational employment for an occupation with a relative error greater than 35 percent was not published separately but added to the residual category relevant to it. No occupational employment is published for an industry whose response rate was less than 60 percent. For an example of how the relative error is applied, see Accuracy of Occupational Employment Data in the METHODOLOGY.

Establishments Reporting the Occupations (%)
The percent of establishments reporting each occupation could not be readily calculated for groups of occupations, but only for specific occupations.

Abbreviations
SIC - Standard Industrial Classification, as defined in the 1987 edition of the *Standard Industrial Classification Manual*, prepared by the Executive Office of the President, Office of Management and Budget, Statistical Policy Division.

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METHODOLOGY

The Sample

The April 1991 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law was used as the sampling frame for the Occupational Employment Statistics (OES) Program's survey of hospitals. All municipal, state, and private hospitals employing more than four workers were included in this survey. This amounted to 50 units employing a total of 23,280 employees. Hospitals run by the Federal Government were excluded from this report as they were included in the survey of Federal Government.

The Survey

The survey consisted of an initial mailing and two follow-up mailings to nonrespondents. In addition, phone calls and personal visits were made to those employers whose responses were critical for valid estimates. The final sample consisted of 49 units employing 23,275 workers. Usable responses were received from 38 units, or 77.6 percent of the total number of hospitals included in this survey. These responses represented 74.4 percent of the total employment in hospitals, or 17,323 workers.

The Screening, Editing, and Estimating Procedures

Each completed questionnaire returned was edited and screened both manually and mechanically for consistency and accuracy. The survey data was then expanded to total wage and salary employment for each detailed industry using a series of nonresponse adjustment factors, weights, and benchmark factors. This total wage and salary employment by industry for the report month of April 1992 came from the second quarter 1992 ES-202 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law. Self-employed persons, and other persons for establishments not covered by the ES-202 report are not included.

Accuracy of Occupational Employment Data

There are two types of errors which affect the accuracy of the estimates published here—sampling and nonsampling errors. Sampling error is a specific arithmetic measure of the precision of an estimate. It is the difference between the estimate computed from the sample data and the result that would be obtained if the same methods were used to collect identical information from the entire population or universe. Because nearly all hospitals were included in this survey, the sampling errors are zero, or too small to be significant.

The nonsampling error results from external factors in a survey rather than from the fact that a sampling technique was used. Examples of these errors are: response refusals, response errors, processing errors, computational errors, etc. The possibility of these errors was recognized from the start of the survey and every effort was made to avoid them.

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Other Occupational Staffing Patterns Publications

Publication Series Number	Industries Covered	Survey Date	Release Date
OES - 47	Agricultural Services	May 1992	December 1993
OES - 45	Manufacturing	April/May/June 1992	December 1993
OES - 44	Federal Government	March 1992	December 1992
	State Government	May 1991	December 1992
	Local Government	May 1991	December 1992
*OES - 43	Educational Services	April 1991	December 1992
OES - 42	Wholesale Trade Retail Trade Transportation Communications Electric, Gas, & Sanitary Services	April/May/June 1991	December 1992
*OES - 41	Mining Construction Finance, Insurance, and Real Estate Services (Except hospitals and education)	April/May/June 1990	July 1992

*Does not include occupational wage data.

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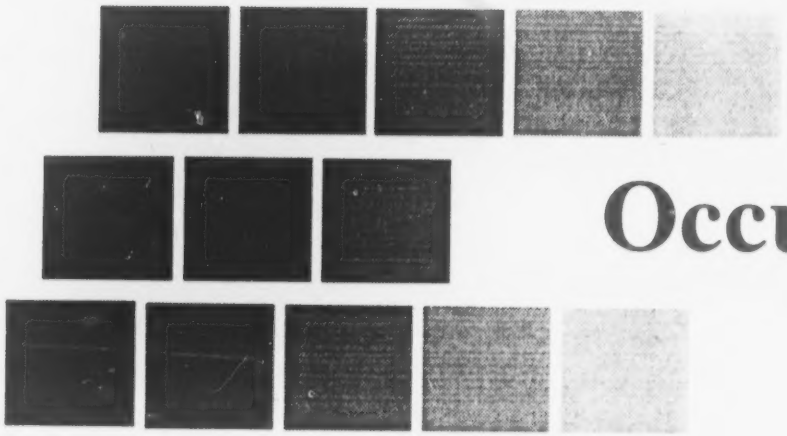

Maine Occupational Staffing

Agricultural Services

May 1992

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DIVISION OF ECONOMIC ANALYSIS AND RESEARCH

MAINE OCCUPATIONAL STAFFING

FOR

AGRICULTURAL SERVICES

May 1992

This labor market information is developed through a cooperative program with the U.S. Bureau of Labor Statistics

Issued December 1993

Augusta, Maine

P.O. Box 309, Augusta, Maine 04332-0309 - *Offices Located at* 20 Union Street
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PREFACE

We wish to express our thanks to all the employers in this industry who supplied the necessary occupational employment data on which the estimates presented herein are based. This publication would not have been possible without their cooperation.

We also wish to express our thanks to the U.S Bureau of Labor Statistics, both in Washington, D.C. and the regional level in Boston, Massachusetts, for their assistance in this federal-state cooperative effort.

This publication describes Maine's agricultural services industry in terms of its occupational composition. It tells what occupations are found in this industry, and the number of workers employed in each occupation. This type of data has many uses, both public and private. Employers use this data to compare their staffing to their industry. Vocational advisors in high schools, trade and technical colleges, universities, and government employment offices use this data to help place current job seekers and to advise those of the future. This data helps determine what skills would be needed to attract a new firm or industry into an area. The information also gives insight into what jobs might be lost should an industry experience massive reductions in employment. Also, this data forms the basis of the state's occupational employment projections program. The output of this program helps job training specialists and planners from economic development agencies to plan for the future.

For further information regarding this report, please call Wendy Nelson, Senior Economic Research Analyst, at 207-287-2271.

Raynold A. Fongemie, Director
Division of Economic Analysis and Research

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INTRODUCTION

This publication is one of a continuing number of reports covering occupational employment for selected industries in Maine. The information in these reports relates to part of a comprehensive "labor market and occupational supply and demand information system" which is mandated by the Job Training Partnership Act of 1982 and reinforced by the Carl D. Perkins Vocational and Applied Technology Education Act Amendments of 1990. This federal legislation, coupled with the rapidly expanding public awareness of the need for more vocational training, has resulted in an unparalleled demand for current employment data and projections of future employment requirements by occupation.

The Occupational Employment Statistics (OES) Program is mandated as the system which supplies the occupational data leading to an "Occupational Supply and Demand Information System." The program is a federal-state endeavor involving all state employment security agencies throughout the nation, in conjunction with the U.S. Bureau of Labor Statistics. The OES program consists of two components: survey operations and industry-occupational matrices. The data from this program is then used in our occupational employment projections program.

The first part of the OES program consists primarily of collecting occupational employment data by industry through a survey questionnaire mailed to a sample of establishments throughout the State. The sample data received is expanded using a system of weights, nonresponse adjustment factors, and benchmark factors to produce statewide staffing patterns for this industry. These staffing patterns can be applied to current or projected estimates of industrial employment to produce estimates of employment by occupation for the State or substate areas. This sample data is also submitted to the U.S. Bureau of Labor Statistics for input into National occupational employment statistics, by industry.

This publication, a direct result of the survey phase of the OES program, contains the staffing patterns for agricultural services. The actual employment data was collected for the payroll period that included the 12th of May, 1992.

Other publications have already been developed covering nearly all wage and salary workers in Maine. A list of these can be found on page 15. Approximately one-third of the State's industries will be surveyed each year, so that the entire economy will be covered every three years. Using this cycle, employers are asked to provide occupational data only once every three years. This ensures that no part of the data base is over three years old, and that significant changes in the staffing patterns of industries can be identified early, as the trend develops.

The information obtained from these surveys is used in the second phase of the OES program to construct industry-occupation matrices covering all sectors of our economy. These matrices, in turn, provide the data base used to project future occupational needs in the State of Maine.

WAGE COLLECTION IN OES

Wage data is now being collected through the Occupational Employment Statistics (OES) program. This wage data was solicited for all occupations, from all sampled employers. The wages collected were not actual wages, but wage ranges. The ranges were broken down into 11 categories as follows:

RANGE	HOURLY	ANNUAL
A	Under $5.00	Under $10,400
B	$5.00 - 6.49	$10,400 - 13,519
C	$6.50 - 7.99	$13,520 - 16,639
D	$8.00 - 9.99	$16,640 - 20,799
E	$10.00 - 11.99	$20,800 - 24,959
F	$12.00 - 13.99	$24,960 - 29,119
G	$14.00 - 16.99	$29,120 - 35,359
H	$17.00 - 20.99	$35,360 - 43,679
I	$21.00 - 24.99	$43,680 - 51,999
J	$25.00 - 35.00	$52,000 - 72,800
K	Over $35.00	Over $72,800

The U.S. Bureau of Labor Statistics determined that even though the data had been collected by ranges only, the mean and median wage could be accurately calculated. For this publication, only the mean, or average, wage has been included. It should be noted that to produce this average hourly wage, it was assumed that full-time employees worked a 40-hour week. Also, it was requested during wage collection, that hourly, rather than annual, wages be reported for all part-time workers.

Wages collected represent straight-time wages (or earnings); that is, total earnings before payroll deductions, excluding premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump sum payments, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living allowance clauses, incentive payments (such as those resulting from piecework, production bonuses, and commissions), and longevity are included as part of the regular pay.

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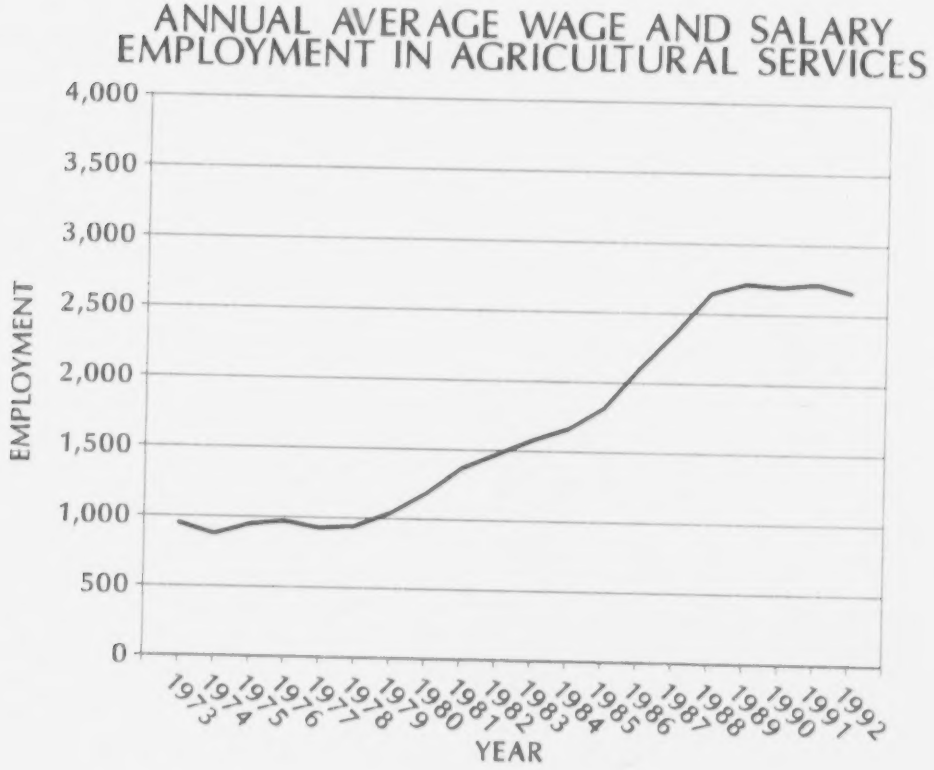
AGRICULTURAL SERVICES
SIC 07

This major industry group includes establishments primarily engaged in performing soil preparation services, crop services, veterinary services, other animal services, farm labor and management services, and landscape and horticultural services, for others on a contract or fee basis.

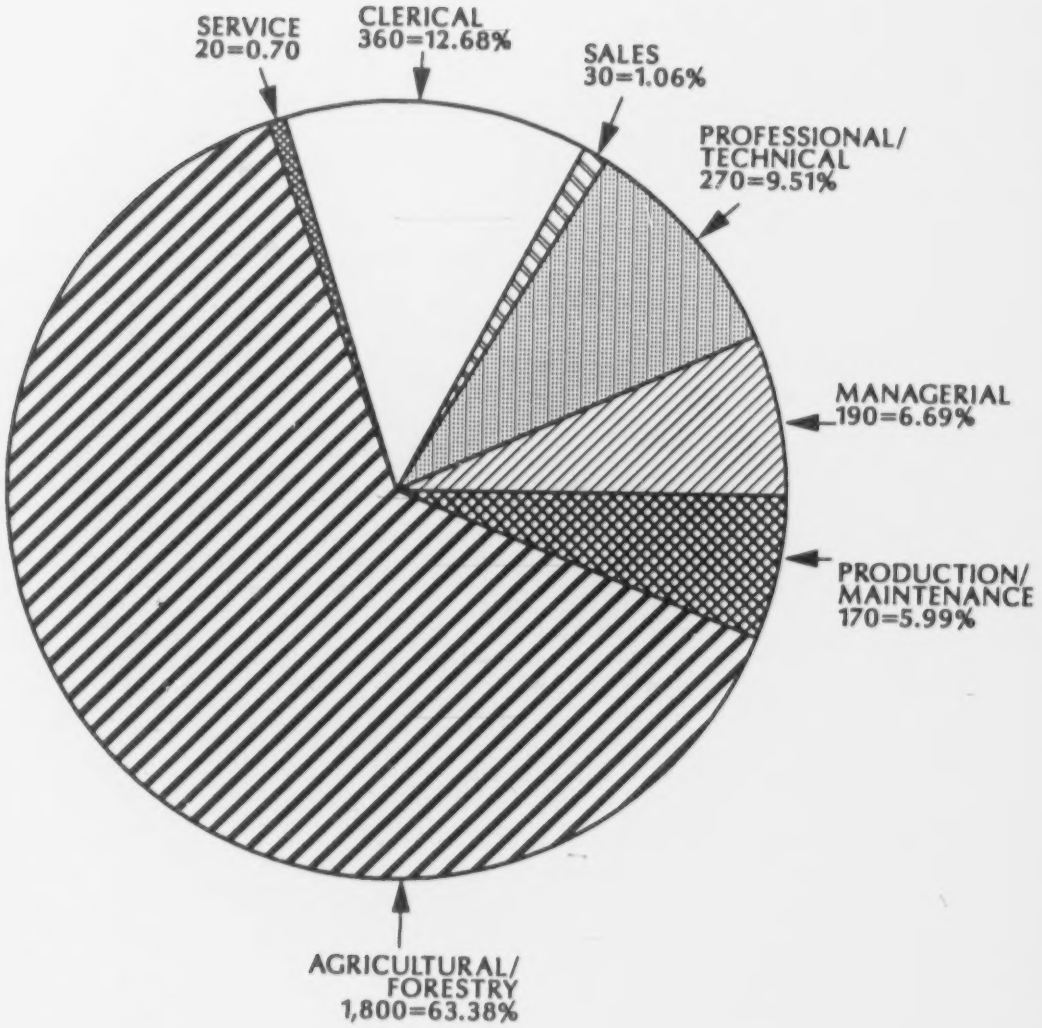
Annual average wage and salary employment in this industry grew very dramatically between 1973 and 1989 adding 1,800 workers, or 200 percent.

Employment reached a high of 2,700 workers in 1989, but then remained at this employment level through 1992.

In 1992, total wages paid to employees in the agricultural services industry equaled $38.8 million. The average annual wage per worker was $14,576. This average wage was 11.5 percent higher than the $13,076 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN AGRICULTURAL SERVICES



TOP 11 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 07 AGRICULTURAL SERVICES
TOTAL NUMBER OF RESPONDENTS: 148
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
LAWN MAINTENANCE WRK.....790383	370	13.03	7.69	25.00
GRADERS & SORTERS AGRICULTURAL PRODUCTS.....790113	230	8.10	5.53	6.76
ANIMAL CARETAKERS.....790173	170	5.99	6.85	20.27
VET ASSISTANTS.....798063	150	5.28	9.10	27.03
VET TECH&TECH.....329513	130	4.58	7.16	29.73
PRUNERS.....790333	130	4.58	9.16	6.08
VETERINARIANS & VETERINAR INSPECTORS.....321143	120	4.23	3.70	31.76
FIRST LINE SUPERVISORS AGRICULTURAL/FORESTRY/FISHING.....720023	110	3.87	8.58	12.16
RECEPTIONISTS & INFORMATIO CLERKS.....553053	90	3.17	9.41	19.59
LAWN SERVICE MGR.....150323	70	2.46	16.84	11.49
GENERAL MANAGERS & TO EXECUTIVES.....190053	70	2.46	8.70	14.86
TOTAL	1,640	57.75		

TOP 10 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 07 AGRICULTURAL SERVICES
TOTAL NUMBER OF RESPONDENTS: 148
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
VETERINARIANS & VETERINAR INSPECTORS.....321143	120	4.23	3.70	31.76
VET TECH&TECH.....329513	130	4.58	7.16	29.73
VET ASSISTANTS.....798063	150	5.28	9.10	27.03
LAWN MAINTENANCE WRK.....790383	370	13.03	7.69	25.00
ANIMAL CARETAKERS.....790173	170	5.99	6.85	20.27
RECEPTIONISTS & INFORMATIO CLERKS.....553053	90	3.17	9.41	19.59
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	50	1.76	11.56	18.24
GENERAL OFFICE CLERKS.....553473	60	2.11	13.36	15.54
GENERAL MANAGERS & TO EXECUTIVES.....190053	70	2.46	8.70	14.86
FIRST LINE SUPERVISORS AGRICULTURAL/FORESTRY/FISHING.....720023	110	3.87	8.58	12.16

MAINE
SIC 07 AGRICULTURAL SERVICES
BENCHMARK EMPLOYMENT: 2,810 TOTAL NUMBER OF RESPONDENTS: 148
REFERENCE DATE : May 12, 1992

OCCUPATION		EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL	000000	2,840	100.00	N.A.	N.A.	$ 8.10
MANAGERIAL & ADMINISTRATIVE	100003	190	6.69	N.A.	N.A.	9.70
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS	130113	10	0.35	34.99	2.03	8.10
HEALTH SERVICES MANAGERS	150083	10	0.35	17.68	4.05	15.10
NURSERY & GREENHOUSE MGR	150313	30	1.06	17.41	8.78	7.80
LAWN SERVICE MGR	150323	70	2.46	16.84	11.49	8.60
GENERAL MANAGERS & TOP EXECUTIVES	190053	70	2.46	8.70	14.86	11.30
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS	200003	270	9.51	N.A.	N.A.	13.60
LANDSCAPE ARCHITECTS	223083	20	0.70	24.49	5.41	12.70
HEALTH PRACTITIONERS, TECHNICIANS & TECHNOLOGISTS	320003	250	8.80	N.A.	N.A.	13.60
VETERINARIANS & VETERINARY INSPECTORS	321143	120	4.23	3.70	31.76	19.50
VET TECH&TECH	329513	130	4.58	7.16	29.73	8.10
SALES & RELATED OCCUPATIONS	400003	30	1.06	N.A.	N.A.	10.00
FIRST LINE SUPERVISORS, SALES & RELATED	410023	10	0.35	25.75	4.05	14.10
SALES REPRESENTATIVES & SALESPERSONS, SERVICES	430003	10	0.35	N.A.	N.A.	6.20
OTHER SALES REPRESENTATIVES & SALESPERSONS, SERVICE	430993	10	0.35	N.A.	N.A.	6.20
ALL OTHER SALES & RELATED	499993	10	0.35	N.A.	N.A.	5.80
CLERICAL & ADMINISTRATIVE SUPPORT	500003	360	12.68	N.A.	N.A.	7.80
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE	510023	30	1.06	14.73	10.14	10.80
MEDICAL SECRETARIES	551053	30	1.06	13.87	6.08	7.00
SECRETARIES, EXCEPT LEGAL & MEDICAL	551083	40	1.41	15.12	11.49	7.10
RECEPTIONISTS & INFORMATION CLERKS	553053	90	3.17	9.41	19.59	7.00
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS	553383	50	1.76	11.56	18.24	8.50
GENERAL OFFICE CLERKS	553473	60	2.11	13.36	15.54	6.50
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING	580003	50	1.76	N.A.	N.A.	9.20
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING	580993	50	1.76	N.A.	N.A.	9.20
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT	599993	10	0.35	N.A.	N.A.	7.90
SERVICE OCCUPATIONS	600003	20	0.70	N.A.	N.A.	5.00
JANITORS & CLEANERS	670053	20	0.70	16.58	5.41	5.00
AGRICULTURAL, FORESTRY, FISHING & RELATED	700003	1,800	63.38	N.A.	N.A.	7.10

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 07 AGRICULTURAL SERVICES
BENCHMARK EMPLOYMENT: 2,810 TOTAL NUMBER OF RESPONDENTS: 148
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FIRST LINE SUPERVISORS, AGRICULTURAL/FORESTRY/FISHING.....720023	110	3.87	8.58	12.16	$ 9.70
NURSERY WORKERS.....790053	60	2.11	22.84	8.78	6.10
GRADERS & SORTERS, AGRICULTURAL PRODUCTS.....790113	230	8.10	5.53	6.76	5.60
ANIMAL CARETAKERS.....790173	170	5.99	6.85	20.27	6.00
GARDENERS & GROUNDSKEEPERS.....790303	480	16.90	6.06	25.00	7.60
PRUNERS.....790333	130	4.58	9.16	6.08	7.00
SPRAYERS/APPLICATORS.....790363	60	2.11	22.35	5.41	8.20
LAWN MAINTENANCE WRK.....790383	370	13.03	7.69	25.00	6.90
VET ASSISTANTS.....798063	150	5.28	9.10	27.03	7.40
GENERAL FARMWORKERS.....798553	20	0.70	17.44	2.03	5.40
ALL OTHER AGRICULTURAL, FORESTRY & FISHING WORKERS.....799993	20	0.70	N.A.	N.A.	11.40
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	170	5.99	N.A.	N.A.	8.20
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	60	2.11	N.A.	N.A.	9.30
FIRST LINE SUPERVISORS, TRADES & EXTRACTIVE.....810053	20	0.70	13.93	4.05	11.00
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	10	0.35	14.29	2.03	8.00
FIRST LINE SUPERVISORS, HELPERS/LABORERS/MOVERS-HAND.....810173	30	1.06	28.78	2.70	8.40
MECHANICS, INSTALLERS & REPAIRERS.....850003	20	0.70	N.A.	N.A.	9.50
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	10	0.35	27.27	3.38	8.40
OTHER MOBILE EQUIPMENT MECHANICS/INSTALL/REPAIR.....853993	10	0.35	N.A.	N.A.	10.60
MOTOR VEHICLE OPERATORS.....971003	20	0.70	N.A.	N.A.	7.20
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER.....971023	10	0.35	37.48	3.38	7.50
OTHER MOTOR VEHICLE OPERATORS.....971993	10	0.35	N.A.	N.A.	6.50
MATERIAL MOVING EQUIPMENT OPERATORS.....979003	30	1.06	N.A.	N.A.	6.80
EXCAVATING & LOADING MACHINE OPERATORS.....979233	10	0.35	40.82	2.03	9.40
INDUSTRIAL TRUCK & TRACTOR OPERATORS.....979473	20	0.70	13.98	2.70	5.80
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	20	0.70	N.A.	N.A.	4.90
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	20	0.70	N.A.	N.A.	4.90
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	20	0.70	N.A.	N.A.	8.60

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

NOTES ABOUT THE TABLES

Employment
As mandated by our confidentiality rule, if only one or two establishments reported a particular occupation, the employment for that occupation is not shown separately, but added to the appropriate "All Other" residual category. Also, if 50 percent or more of the employment for an occupation was reported by only one company, or if 75 percent or more of the employment was reported by only two firms, the estimate for this occupation will not be published unless authorization from the firm or firms is requested and received. The "Benchmark Employment" for each industry was based on the second quarter 1992 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law.

Employment and Percent of Total Employment
The detail in these columns may not add to totals due to rounding. Also, Total Employment may not equal Benchmark Employment due to rounding.

Relative Error (in %)
The relative error was computed only for specific occupations and not for residual categories nor the occupational groupings. Within an industry whose total response rate was 70 percent or better, occupational employment for an occupation with a relative error greater than 50 percent was not published separately but added to the residual category relevant to it. Within an industry whose total response rate was between 60 and 70 percent, occupational employment for an occupation with a relative error greater than 35 percent was not published separately but added to the residual category relevant to it. No occupational employment is published for an industry whose response rate was less than 60 percent. For an example of how the relative error is applied, see Accuracy of Occupational Employment Data in the METHODOLOGY.

Establishments Reporting the Occupations (%)
The percent of establishments reporting each occupation could not be readily calculated for groups of occupations, but only for specific occupations.

Abbreviations
SIC - Standard Industrial Classification, as defined in the 1987 edition of the *Standard Industrial Classification Manual*, prepared by the Executive Office of the President, Office of Management and Budget, Statistical Policy Division.

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METHODOLOGY

The Sample

The second quarter 1991 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law was used as the sampling frame for the Occupational Employment Statistics (OES) Program's survey of agricultural services. This universe frame was stratified by three digit SIC (Standard Industrial Classification) codes and by six employment size classes: 1-9, 10-19, 20-49, 50-99, 100-249, and 250 and above. Establishments with 250 or more employees were included in the sample with certainty. Firms in the non-certainty segment were selected on a random basis in proportion to their share of total employment.

The universe for this survey consisted of 207 establishments each employing five or more employees, and a total of 2,942 persons (including employment in establishments employing less than five workers). Of these, the initial survey included 193 units, or 93.2 percent of the universe. These sample units employed 2,266 workers, accounting for 77.0 percent of total employment.

The Survey

The survey consisted of an initial mailing and two follow-up mailings to nonrespondents. In addition, phone calls and personal visits were made to those employers whose responses were critical for valid estimates. After adjusting for firms that went out of business, firms that changed their industry classification out of the agricultural services industry, and for consolidations, the final sample consisted of 181 units employing 2,212 employees. Usable responses were received from 148 units, or 81.8 percent of the 181 sampled units. These usable responses represented 1,654 persons, or 74.8 percent of the total employment in the surveyed units.

The Screening, Editing, and Estimating Procedure

Each completed questionnaire returned was edited and screened both manually and mechanically for consistency and accuracy. The survey data was then expanded to total wage and salary employment for each detailed industry using a series of nonresponse adjustment factors, weights, and benchmark factors. This total wage and salary employment by industry was derived from the second quarter 1992 ES-202 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law. Self-employed persons, and other persons or establishments not covered by the ES-202 report are not included in this Occupational Employment Statistics (OES) publication.

Accuracy of Occupational Employment Data

There are two types of errors which affect the accuracy of the estimates published here - sampling and nonsampling errors. Sampling error is a specific arithmetic measure of the precision of an estimate. It is the difference between the estimate computed from the sample data and the result that would be obtained if the same methods were used to collect identical information from the entire population or universe. The relative error entries listed in this report are the sampling errors of each occupation expressed as a percent of that occupational estimate. In other words, relative error means that the chances are two out of three (a 68 percent confidence level) that the results of a comparable full-scale data collection (the universe) using the same survey approach would not differ from the estimate published here by more than the percent error shown. The chances are 19 out of 20 (a 95 percent confidence level) that the results from the two methods of data collection (sample vs census) would not differ by more than twice the percent error shown. For example, it is estimated in this report that in May 1992 there were 130 veterinary technicians and technologists employed in the agricultural services industry with a 7 percent relative error. Thus, at a 68 percent confidence level, the results of a full-scale count of veterinary technicians and technologists in this industry would not differ from this estimate by more than

9 workers (130 x .07). At a 95 percent confidence level, the universe count would not differ from the estimate by more than 14 percent of 130 or 18 workers.

Nonsampling errors result from external factors in a survey rather than from the fact that a sampling technique was used. Examples of these errors are: response refusals, response errors, processing errors, computational errors, etc. The possibility of these errors was recognized from the start of the survey and every effort was made to avoid them.

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Other Occupational Staffing Patterns Publications

Publication Series Number	Industries Covered	Survey Date	Release Date
OES - 46	Hospitals	April 1992	December 1993
OES - 45	Manufacturing	April/May/June 1992	December 1993
OES - 44	Federal Government	March 1992	December 1992
	State Government	May 1991	December 1992
	Local Government	May 1991	December 1992
*OES - 43	Educational Services	April 1991	December 1992
OES - 42	Wholesale Trade Retail Trade Transportation Communications Electric, Gas, & Sanitary Services	April/May/June 1991	December 1992
*OES - 41	Mining Construction Finance, Insurance, and Real Estate Services (Except hospitals and education)	April/May/June 1990	July 1992

*Does not include occupational wage data.

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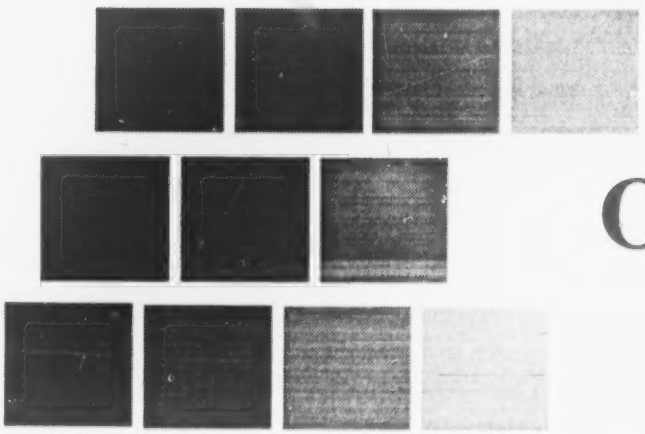

Maine Occupational Staffing

Manufacturing Industries

Second Quarter 1992

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DEPARTMENT OF LABOR
DIVISION OF ECONOMIC ANALYSIS AND RESEARCH

MAINE OCCUPATIONAL STAFFING

FOR

MANUFACTURING INDUSTRIES

Data for Second Quarter 1992

This labor market information is developed through a cooperative program with the U.S. Bureau of Labor Statistics

Issued December 1993

Augusta, Maine

P.O. Box 309, Augusta, Maine 04332-0309 - *Offices Located at* 20 Union Street
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PREFACE

We wish to express our thanks to all the employers who supplied the necessary occupational employment data on which the estimates presented herein are based. This publication would not have been possible without their cooperation.

We also wish to express our thanks to the U.S Bureau of Labor Statistics, both in Washington, D.C. and the regional level in Boston, Massachusetts, for their assistance in this federal-state cooperative effort. Special thanks also go to Janet White for providing graphics support.

This publication describes Maine's manufacturing industries in terms of their occupational composition. It tells what occupations are found in each industry and the number of workers employed in each occupation. This type of data has many uses, both public and private. Employers use this data to compare their staffing to their industry. Vocational advisors in high schools, trade and technical colleges, universities, and government employment offices use this data to help place current job seekers and to advise those of the future. This data helps determine what skills would be needed to attract a new firm or industry into an area. The information also gives insight into what jobs might be lost should an industry experience massive reductions in employment. Also, this data forms the basis of the state's occupational employment projections program. The output of this program helps job training specialists and planners from economic development agencies to plan for the future.

For further information regarding this report, please call Wendy Nelson, Senior Economic Research Analyst, at 207-287-2271.

Raynold A. Fongemie, Director
Division of Economic Analysis and Research

A Publication Series Developed by the Field Services Branch

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INTRODUCTION

This publication is one of a continuing number of reports covering occupational employment for selected industries in Maine. The information in these reports relates to part of a comprehensive "labor market and occupational supply and demand information system" which is mandated by the Job Training Partnership Act of 1982 and reinforced by the Carl D. Perkins Vocational and Applied Technology Education Act Amendments of 1990. This federal legislation, coupled with the rapidly expanding public awareness of the need for more vocational training, has resulted in an unparalleled demand for current employment data and projections of future employment requirements by occupation.

The Occupational Employment Statistics (OES) Program is mandated as the system which supplies the occupational data leading to an "Occupational Supply and Demand Information System." The program is a federal-state endeavor involving all state employment security agencies throughout the nation, in conjunction with the U.S. Bureau of Labor Statistics. The OES program consists of two components: survey operations and industry-occupational matrices. The data from this program is then used in our occupational employment projections program.

The first part of the OES program consists primarily of collecting occupational employment data by industry through a survey questionnaire mailed to a sample of establishments throughout the State. The sample data received is expanded using a system of weights, nonresponse adjustment factors, and benchmark factors to produce statewide staffing patterns for each industry. These staffing patterns can be applied to current or projected estimates of industrial employment to produce estimates of employment by occupation for the State or substate areas. This sample data is also submitted to the U.S. Bureau of Labor Statistics for input into National occupational employment statistics, by industry.

This publication, a direct result of the survey phase of the OES program, contains the staffing patterns for manufacturing industries. The actual employment data was collected for the week of the 12th of April, May, or June 1992 depending on the industrial classifications.

Other publications have already been developed covering nearly all wage and salary workers in Maine. A list of these can be found on page 117. Approximately one-third of the State's industries will be surveyed each year, so that the entire economy will be covered every three years. Using this cycle, employers are asked to provide occupational data only once every three years. This ensures that no part of the data base is over three years old, and that significant changes in the staffing patterns of industries can be identified early, as the trend develops.

The information obtained from these surveys is used in the second phase of the OES program to construct industry-occupation matrices covering all sectors of our economy. These matrices, in turn, provide the data base used to project future occupational needs in the State of Maine.

WAGE COLLECTION IN OES

Wage data is now being collected through the Occupational Employment Statistics (OES) program. This wage data was solicited for all occupations, from all sampled employers. The wages collected were not actual wages, but wage ranges. The ranges were broken down into 11 categories as follows:

RANGE	HOURLY	ANNUAL
A	Under $5.00	Under $10,400
B	$5.00 - 6.49	$10,400 - 13,519
C	$6.50 - 7.99	$13,520 - 16,639
D	$8.00 - 9.99	$16,640 - 20,799
E	$10.00 - 11.99	$20,800 - 24,959
F	$12.00 - 13.99	$24,960 - 29,119
G	$14.00 - 16.99	$29,120 - 35,359
H	$17.00 - 20.99	$35,360 - 43,679
I	$21.00 - 24.99	$43,680 - 51,999
J	$25.00 - 35.00	$52,000 - 72,800
K	Over $35.00	Over $72,800

The U.S. Bureau of Labor Statistics determined that even though the data had been collected by ranges only, the mean and median wage could be accurately calculated. For this publication, only the mean, or average, wage has been included. It should be noted that to produce this average hourly wage, it was assumed that full-time employees worked a 40-hour week. Also, it was requested during wage collection, that hourly, rather than annual, wages be reported for all part-time workers.

Wages collected represent straight-time wages (or earnings); that is, total earnings before payroll deductions, excluding premium pay for overtime and for work on weekends, holidays, and late shifts. Also excluded are performance bonuses and lump sum payments, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. Pay increases, but not bonuses, under cost-of-living allowance clauses, incentive payments (such as those resulting from piecework, production bonuses, and commissions), and longevity are included as part of the regular pay.

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1992 Occupational Employment Statistics Survey
Manufacturing Industries
Universe, Sample, and Response Rate by Industry 1/

Standard Industrial Classification (SIC)	Universe 2/		Final Sample											
			Units		Employment		Usable Response		Usable Response Rate 3/		Out of Business		Out of Scope 4/	
	Units	Employment	Number 5/	Percent of Universe	Number	Percent of Universe	Units	Employment	Units	Employment	Units	Employment	Units	Employment
20	109	6,726	102	93.6	6,596	98.1	65	5,091	63.7	77.2	11	243	6	114
22	58	5,196	56	96.6	5,167	99.4	35	4,222	62.5	81.7	3	291	-	-
23	37	2,784	36	97.3	2,712	97.4	27	1,692	75.0	62.4	2	16	1	101
24	280	9,065	256	91.4	8,133	89.7	191	6,065	74.6	74.6	16	411	8	98
25	22	1,011	20	90.9	951	94.1	17	926	85.0	97.4	2	13	-	-
26	45	17,360	41	91.1	17,279	99.5	29	10,312	70.7	59.7	2	15	-	-
27	154	5,414	129	83.8	4,859	89.7	90	3,501	69.8	72.1	7	144	2	97
28	23	1,156	23	100.0 5/	1,133	98.0	21	1,101	91.3	97.2	-	-	1	22
29	10	386	10	100.0 5/	379	98.2	5	208	50.0	54.9	-	-	-	-
30	44	3,213	40	90.9	3,152	98.1	25	2,628	62.5	83.4	6	343	1	13
31	51	9,631	50	98.0	9,586	99.5	34	8,004	68.0	83.5	5	148	-	-
32	59	1,268	59	100.0 5/	1,201	94.7	40	827	67.8	68.9	2	13	3	50
33	7	527	7	100.0 5/	519	98.5	6	511	85.7	98.5	1	8	-	-
34	72	2,695	72	100.0 5/	2,629	97.6	54	2,299	75.0	87.4	5	85	2	36
35	105	4,266	103	98.1	4,121	96.6	79	2,881	76.7	69.9	6	422	2	40
36	44	7,516	44	100.0 5/	7,490	99.7	37	7,302	84.1	97.5	1	33	-	-
37	72	14,271	39	54.2	13,752	96.4	26	11,448	66.7	83.2	2	114	-	-
38	21	959	21	100.0 5/	948	98.9	16	800	76.2	84.4	1	7	-	-
39	28	703	28	100.0 5/	635	90.3	26	596	92.9	93.9	-	-	-	-
Total	1,241	94,147	1,136	91.5	91,242	96.9	823	70,414	72.4	77.2	72	2,306	26	571
Adjusted Total 6/	1,143	91,270	1,038	90.8	88,365	96.8	823	70,414	79.3	79.7				

1/ All the data in this table are based on the sampling benchmark data (2nd quarter 1991) rather than the estimating benchmark data (2nd quarter 1992). The industries are defined by the 1987 Standard Industrial Classification (SIC) Manual.
2/ Data was obtained from the second quarter 1991 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law. The data has been adjusted to reflect any in scope industry classification code changes discovered during the course of the survey.
3/ The response rate is the usable response expressed as a percent of the sample.
4/ These units have changed their industry classification since sample selection and are no longer in the scope of this survey.
5/ This number of units reflects only those units employing five or more employees. Since the OES program does not survey any employer who employs less than five workers, these employers are not reflected in the "units" count in this table. However, their employees are included in the universe employment count. Therefore the situation arises, as with SIC 28, that 100 percent of the units were included in the sample, but only 98.0 percent of the employment. The remaining employment was in units employing less than five workers, and thus not surveyed. Their employment, however, is reflected in the final occupational estimates.
6/ These totals have been adjusted by deleting any sample units and employment that were found to be out of business or out of scope during the course of the survey.

148111

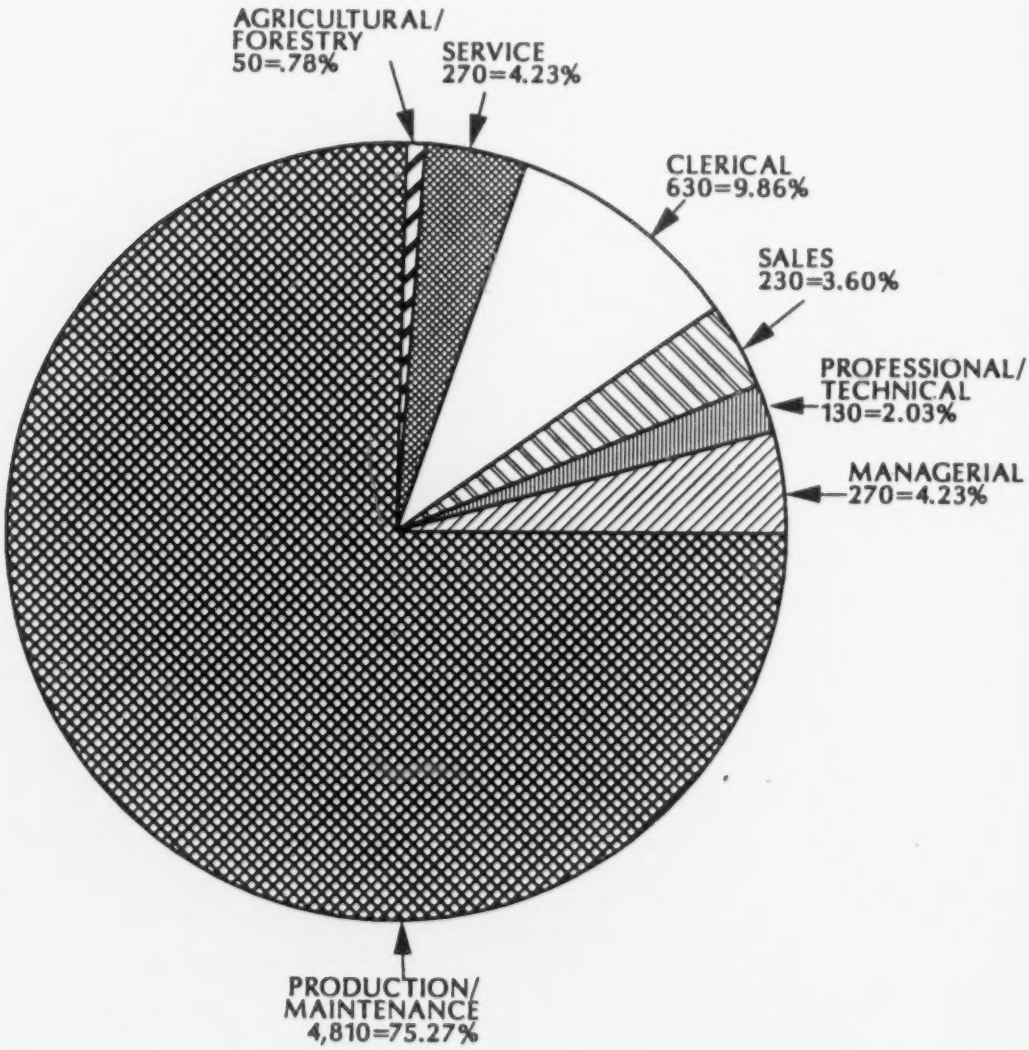
FOOD AND KINDRED PRODUCTS
SIC 20

This major industry group includes establishments manufacturing or processing foods and beverages for human consumption and certain related products, such as manufactured ice, chewing gum, vegetable fats and oils, and prepared feeds for animals and fowls.

Historically, employment in this industry has been generally on the decline. During the last half of the 1960s, employment was over 12,000. During most of the 1970s, employment was between 10,000 and 10,700. A dramatic decline started in 1978 and has continued through 1992, except for slight increases between 1984 and 1985, and 1989 and 1990. During the period between 1978 and 1992, employment in the food products industry declined by 4,100 workers, or 38.3 percent, ending the period with a low of 6,600 workers.

In 1992, total wages paid to employees in the food and kindred products industry equaled $132.3 million. The average annual wage per worker was $20,056. This average wage was 6.8 percent higher than the $18,781 annual average wage for this industry's workers in 1989.

ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN FOOD AND KINDRED PRODUCTS



TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 20 FOOD AND KINDRED PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 65
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
CANNERY WORKERS.....939353	680	10.64	3.27	18.46
HAND PACKERS & PACKAGERS.....989023	380	5.95	2.54	27.69
BAKERS, MANUFACTURING.....898053	350	5.48	3.05	12.31
PACKAGING & FILLING MACHIN OPERATORS.....929743	320	5.01	5.28	29.23
MEAT, POULTRY & FIS CUTTERS & TRIMMERS, HAND.....939383	280	4.38	1.09	13.85
DRIVER/SALES WORKERS.....971173	220	3.44	2.68	18.46
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	170	2.66	3.15	47.69
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	160	2.50	1.50	38.46
JANITORS & CLEANERS.....670053	160	2.50	1.62	44.62
TRUCK DRIVERS-LIGHT, INCLUD DELIVERY/ROUTE WORKERS.....971053	150	2.35	1.97	13.85
TOTAL	2,870	44.91		

TOP 11 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 20 FOOD AND KINDRED PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 65
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	120	1.88	7.28	55.38
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	170	2.66	3.15	47.69
JANITORS & CLEANERS.....670053	160	2.50	1.62	44.62
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	80	1.25	9.04	41.54
TRUCK DRIVERS, HEAV OR TRACTOR TRAILER.....971023	140	2.19	0.69	40.00
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	160	2.50	1.50	38.46
INDUSTRIAL PRODUCTIO MANAGERS.....150143	50	0.78	2.04	36.92
GENERAL OFFICE CLERKS.....553473	70	1.10	3.62	36.92
PACKAGING & FILLING MACHIN OPERATORS.....929743	320	5.01	5.28	29.23
FIRST LINE SUPERVISORS CLERICAL & ADMINISTRATIVE.....510023	40	0.63	5.56	27.69
HAND PACKERS & PACKAGERS.....989023	380	5.95	2.54	27.69

MAINE
SIC 20 FOOD AND KINDRED PRODUCTS
BENCHMARK EMPLOYMENT: 6,370 TOTAL NUMBER OF RESPONDENTS: 65
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	6,390	100.00	N.A.	N.A.	$ 9.70
MANAGERIAL & ADMINISTRATIVE.....100003	270	4.23	N.A.	N.A.	21.80
FINANCIAL MANAGERS.....130023	20	0.31	0.00	21.54	24.60
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS.....130053	10	0.16	0.00	13.85	20.60
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS.....130113	10	0.16	0.00	13.85	28.70
ADMINISTRATIVE MANAGERS.....130143	10	0.16	0.00	10.77	20.90
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS.....130173	10	0.16	0.00	9.23	22.40
INDUSTRIAL PRODUCTION MANAGERS.....150143	50	0.78	2.04	36.92	18.20
GENERAL MANAGERS & TOP EXECUTIVES.....190053	120	1.88	7.28	55.38	23.60
ALL OTHER MANAGERS & ADMINISTRATORS.....199993	40	0.63	N.A.	N.A.	17.20
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	130	2.03	N.A.	N.A.	13.50
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS.....211003	10	0.16	N.A.	N.A.	13.40
ACCOUNTANTS & AUDITORS.....211143	10	0.16	0.00	12.31	13.40
PURCHASING AGENTS.....213083	10	0.16	14.29	6.15	9.40
PERSONNEL, TRAINING & LABOR RELATIONS SPECIALISTS.....215113	10	0.16	0.00	4.62	21.40
ALL OTHER MANAGEMENT SUPPORT.....219993	20	0.31	N.A.	N.A.	12.00
ENGINEERS.....221003	10	0.16	N.A.	N.A.	18.00
MECHANICAL ENGINEERS.....221353	10	0.16	0.00	7.69	18.00
PHYSICAL & LIFE SCIENCE TECHNICIANS & TECHNOLOGISTS.....245003	30	0.47	N.A.	N.A.	12.10
BIOLOGICAL/AGRICULTURAL/FOOD TECHNICIANS & TECHNOLOGISTS.....245023	20	0.31	12.42	10.77	13.80
CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXCEPT HEALTH.....245053	10	0.16	0.00	4.62	10.00
ALL OTHER NATURAL SCIENTISTS & RELATED WORKERS.....249993	10	0.16	N.A.	N.A.	11.10
COMPUTER SCIENTISTS & RELATED.....251003	10	0.16	N.A.	N.A.	16.70
COMPUTER PROGRAMMERS.....251053	10	0.16	0.00	6.15	16.70
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS.....399993	20	0.31	N.A.	N.A.	13.30
SALES & RELATED OCCUPATIONS.....400003	230	3.60	N.A.	N.A.	14.20
FIRST LINE SUPERVISORS, SALES & RELATED.....410023	60	0.94	4.96	21.54	17.90
SALESPERSONS, SCIENTIFIC PRODUCTS & SERVICES.....490053	10	0.16	0.00	6.15	16.80
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL.....490083	90	1.41	7.02	24.62	16.80
SALESPERSONS, RETAIL.....490113	20	0.31	0.00	4.62	9.00
CASHIERS.....490233	40	0.63	4.81	7.69	5.40
ALL OTHER SALES & RELATED.....499993	10	0.16	N.A.	N.A.	9.30
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	630	9.86	N.A.	N.A.	8.90

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 20 FOOD AND KINDRED PRODUCTS
BENCHMARK EMPLOYMENT: 6,370 TOTAL NUMBER OF RESPONDENTS: 65
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	40	0.63	5.56	27.69	$13.20
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	30	0.47	10.83	26.15	7.50
RECEPTIONISTS & INFORMATION CLERKS.....553053	10	0.16	0.00	9.23	8.30
PERSONNEL CLERKS, EXCEPT PAYROLL & TIMEKEEPING.....553143	10	0.16	0.00	12.31	9.50
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE.....553233	20	0.31	0.00	9.23	8.80
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	80	1.25	9.04	41.54	9.10
PAYROLL & TIMEKEEPING CLERKS.....553413	10	0.16	0.00	12.31	9.60
BILLING, COST & RATE CLERKS.....553443	20	0.31	0.00	12.31	8.10
GENERAL OFFICE CLERKS.....553473	70	1.10	3.62	36.92	8.40
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....[illegible]03	30	0.47	N.A.	N.A.	9.20
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT.....56[illegible]13	10	0.16	0.00	9.23	9.40
DATA ENTRY KEYERS, EXCEPT COMPOSING.....560173	20	0.31	0.00	6.15	9.10
SWITCHBOARD OPERATORS.....571023	10	0.16	0.00	10.77	8.30
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	280	4.38	N.A.	N.A.	8.70
PRODUCTION, PLANNING & EXPEDITING CLERKS.....580083	10	0.16	0.00	9.23	12.50
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	70	1.10	0.00	18.46	8.30
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	160	2.50	1.50	38.46	8.60
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING.....580993	40	0.63	N.A.	N.A.	8.50
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	20	0.31	N.A.	N.A.	9.00
SERVICE OCCUPATIONS.....600003	270	4.23	N.A.	N.A.	8.70
FIRST L[illegible]ERVISORS & MANAGER/SUPERVISORS, SERVICE.....610003	10	0.16	N.A.	N.A.	16.20
GUARDS & W[illegible]CH GUARDS.....630473	10	0.16	0.00	9.23	6.40
FOOD, BEVERAGE PREPARATION & SERVICE WORKERS.....650003	60	0.94	N.A.	N.A.	6.80
JANITORS & CLEANERS.....670053	160	2.50	1.62	44.62	9.30
OTHER CLEANING & BUILDING SERVICE WORKERS.....670993	20	0.31	N.A.	N.A.	6.80
ALL OTHER SERVICE WORKERS.....699993	10	0.16	N.A.	N.A.	8.50
AGRICULTURAL, FORESTRY, FISHING & RELATED.....700003	50	0.78	N.A.	N.A.	7.10
FIRST LINE SUPERVISORS, AGRICULTURAL/FORESTRY/FISHING.....720023	10	0.16	0.00	6.15	10.10
GRADERS & SORTERS, AGRICULTURAL PRODUCTS.....790113	30	0.47	12.28	4.62	5.60
ALL OTHER AGRICULTURAL, FORESTRY & FISHING WORKERS.....799993	10	0.16	N.A.	N.A.	9.70
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	4,810	75.27	N.A.	N.A.	8.90
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	250	3.91	N.A.	N.A.	14.60
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	20	0.31	0.00	10.77	16.40
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	170	2.66	3.15	47.69	14.50

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

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MAINE
SIC 20 FOOD AND KINDRED PRODUCTS
BENCHMARK EMPLOYMENT: 6,370 TOTAL NUMBER OF RESPONDENTS: 65
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FIRST LINE SUPERVISORS, TRANSPORT/MOVING MACHINES.....810113	30	0.47	0.00	12.31	$14.50
FIRST LINE SUPERVISORS, HELPERS/LABORERS/MOVERS-HAND.....810173	10	0.16	0.00	6.15	19.60
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	20	0.31	N.A.	N.A.	10.60
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	90	1.41	0.00	23.08	8.20
OTHER INSPECTORS, TESTERS & RELATED WORKERS.....830993	10	0.16	N.A.	N.A.	6.50
MECHANICS, INSTALLERS & REPAIRERS.....850003	320	5.01	N.A.	N.A.	10.80
MACHINERY MAINTENANCE MECHANICS.....851103	150	2.35	1.14	43.08	10.70
MILLWRIGHTS.....851233	20	0.31	0.00	4.62	9.80
MACHINERY MAINTENANCE WORKERS.....851283	20	0.31	0.00	4.62	8.80
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	90	1.41	0.00	10.92	11.30
BUS & TRUCK MECHANICS & DIESEL ENGINE SPECIALISTS.....853113	10	0.16	0.00	6.15	12.60
OTHER MOBILE EQUIPMENT MECHANICS/INSTALL/REPAIR.....853993	10	0.16	N.A.	N.A.	11.70
COIN & VENDING MACHINE SERVICERS & REPAIRERS.....859473	20	0.31	0.00	6.15	10.40
CONSTRUCTION TRADE WORKERS, EXCEPT MATERIAL MOVING.....870003	20	0.31	N.A.	N.A.	10.90
ELECTRICIANS.....872023	20	0.31	0.00	9.23	10.90
OTHER CONSTRUCTION & EXTRACTIVE, EXCEPT HELPERS.....879993	10	0.16	N.A.	N.A.	9.50
PRECISION FOOD WORKERS.....898003	420	6.57	N.A.	N.A.	9.00
BAKERS, MANUFACTURING.....898053	350	5.48	3.05	12.31	8.90
FOOD BATCHMAKERS.....898083	40	0.63	26.58	10.77	8.10
OTHER PRECISION FOOD & TOBACCO WORKERS.....898993	30	0.47	N.A.	N.A.	10.90
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	740	11.58	N.A.	N.A.	8.60
COOKING MACHINE OPERATORS, FOOD & TOBACCO.....929173	60	0.94	3.23	13.85	8.70
ROASTING/BAKING/DRYING MACHINE OPERATORS.....929213	100	1.56	5.00	10.77	9.40
BOILER OPERATORS, LOW PRESSURE.....929263	20	0.31	0.00	12.31	9.60
COOLING & FREEZING EQUIPMENT OPERATORS.....929283	10	0.16	0.00	4.62	8.50
DAIRY PROCESSING EQUIPMENT OPERATORS, INCLUDING SETTERS.....929323	60	0.94	0.00	6.15	10.00
CUTTING & SLICING MACHINE OPERATORS.....929443	30	0.47	9.42	9.23	7.70
SEPARATING, FILTERING & STILL MACHINE OPERATORS.....929623	20	0.31	0.00	6.15	9.60
CRUSHING/GRINDING/MIXING/ BLENDING MACHINE OPERATORS.....929653	50	0.78	0.00	9.23	9.30
PACKAGING & FILLING MACHINE OPERATORS.....929743	320	5.01	5.28	29.23	7.90
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC.....929973	40	0.63	N.A.	N.A.	9.40
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	30	0.47	N.A.	N.A.	8.30
OTHER HAND WORKERS, NEC.....939003	1,220	19.09	N.A.	N.A.	6.60
CANNERY WORKERS.....939353	680	10.64	3.27	18.46	6.20
MEAT, POULTRY & FISH CUTTERS & TRIMMERS, HAND.....939383	280	4.38	1.09	13.85	7.30
OTHER HAND WORKERS, NEC.....939993	260	4.07	N.A.	N.A.	6.70
PLANT & SYSTEM WORKERS.....950003	30	0.47	N.A.	N.A.	6.90

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 20 FOOD AND KINDRED PRODUCTS
BENCHMARK EMPLOYMENT: 6,370 TOTAL NUMBER OF RESPONDENTS: 65
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
OTHER PLANT & SYSTEM OPERATORS.....950993	30	0.47	N.A.	N.A.	$ 6.90
MOTOR VEHICLE OPERATORS.....971003	510	7.98	N.A.	N.A.	12.10
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER.....971023	140	2.19	0.69	40.00	11.70
TRUCK DRIVERS-LIGHT, INCLUDE DELIVERY/ROUTE WORKERS.....971053	150	2.35	1.97	13.85	12.00
DRIVER/SALES WORKERS.....971173	220	3.44	2.68	18.46	12.50
ALL OTHER TRANSPORTATION & RELATED WORKERS.....978993	60	0.94	N.A.	N.A.	11.10
MATERIAL MOVING EQUIPMENT OPERATORS.....979003	170	2.66	N.A.	N.A.	8.50
INDUSTRIAL TRUCK & TRACTOR OPERATORS.....979473	70	1.10	0.00	12.31	9.20
CONVEYOR OPERATORS & TENDERS.....979513	50	0.78	0.00	6.15	8.00
OTHER MATERIAL MOVING EQUIPMENT OPERATORS.....979893	50	0.78	N.A.	N.A.	7.90
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	960	15.02	N.A.	N.A.	8.40
MACHINE FEEDERS & OFFBEARERS.....985023	70	1.10	0.00	10.77	7.20
FREIGHT, STOCK & MATERIAL MOVERS, HAND.....987003	110	1.72	N.A.	N.A.	9.60
HAND PACKERS & PACKAGERS.....989023	380	5.95	2.54	27.69	6.40
VEHICLE WASHERS & EQUIPMENT CLEANERS.....989053	30	0.47	0.00	4.62	8.90
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	370	5.79	N.A.	N.A.	10.20

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

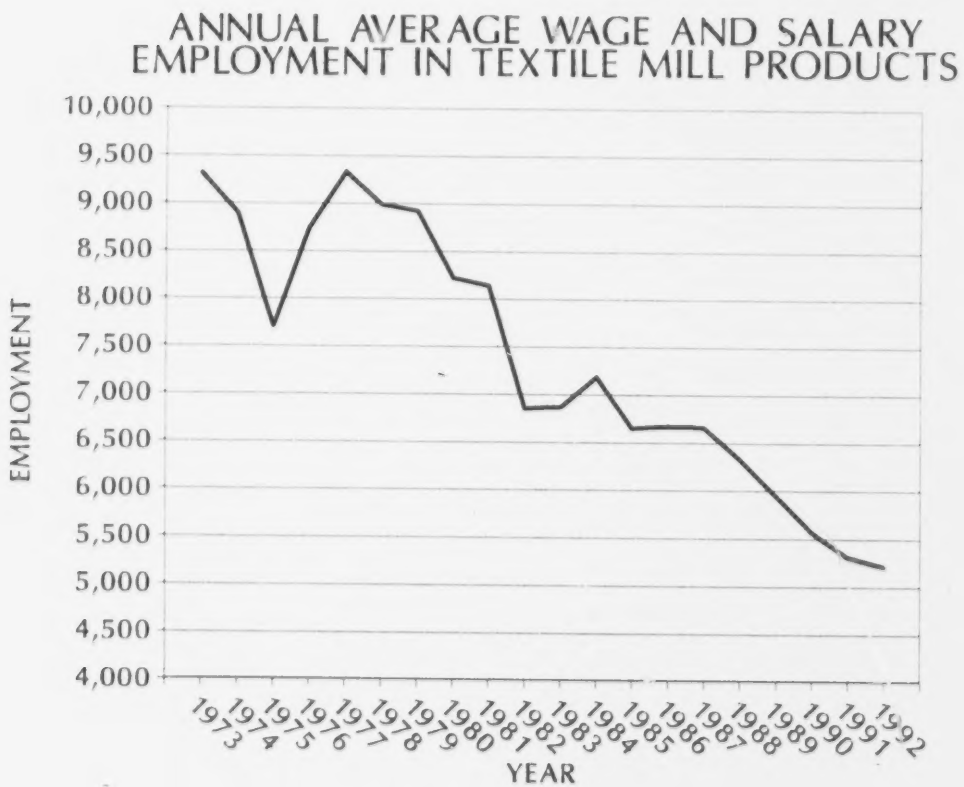
Data for confidential occupations has been combined with the appropriate "All Other" categories.

TEXTILE MILL PRODUCTS
SIC 22

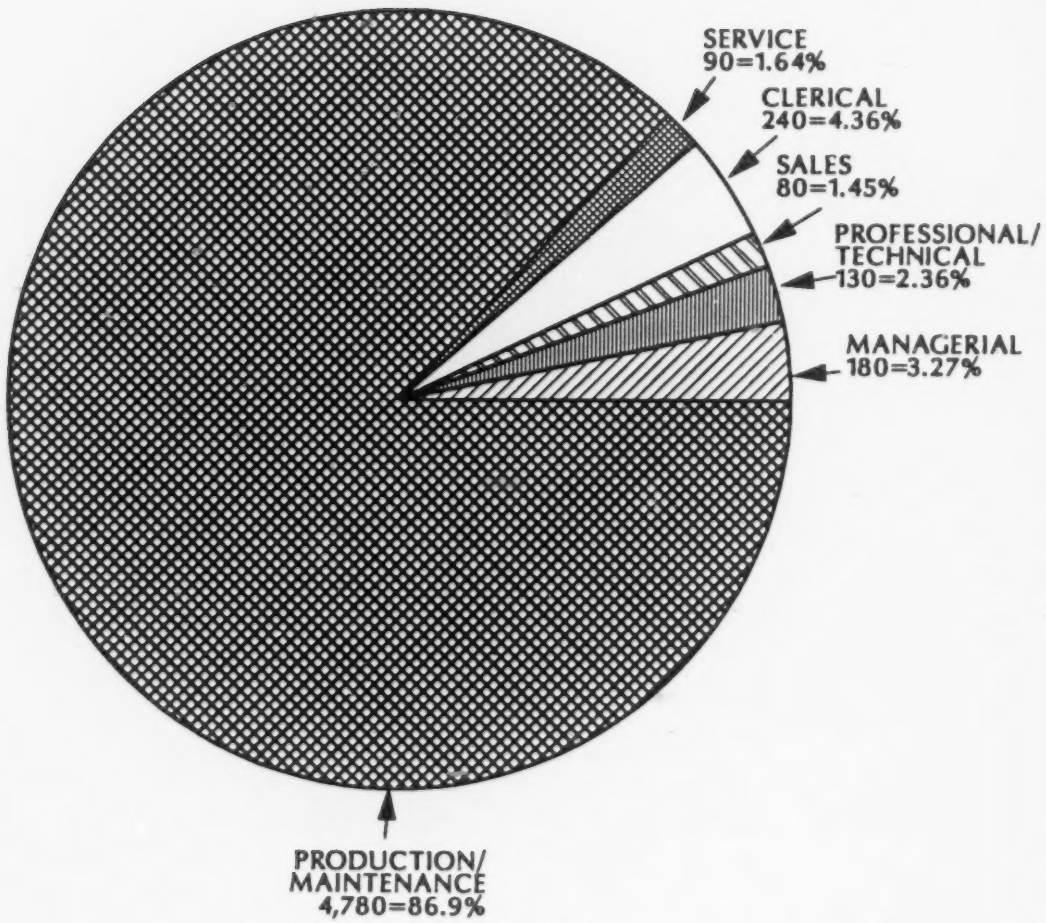
This major industry group includes establishments engaged in performing any of the following operations: (1) preparation of fiber and subsequent manufacturing of yarn, thread, braids, twine, and cordage; (2) manufacturing broadwoven fabrics, narrow woven fabrics, knit fabrics, and carpets and rugs from yarn; (3) dyeing and finishing fiber, yarns, fabrics, and knit apparel; (4) coating, waterproofing, or otherwise treating fabrics; (5) the integrated manufacture of knit apparel and other finished articles from yarn; and (6) the manufacture of felt goods, lace goods, nonwoven fabrics, and miscellaneous textiles.

Employment in this industry has shown a decline for most of the period from 1977 to 1992. During this time, employment dropped by 4,100 workers, or 44.1 percent, ending with a low of 5,200 employees.

In 1992, total wages paid to employees in the textile mill products industry equaled $112.8 million. The average annual wage per worker was $21,361. This average wage was 14.2 percent higher than the $18,707 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN TEXTILE MILL PRODUCTS



TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 22 TEXTILE MILL PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 35
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TEXTILE MACHINE OPERATORS WIND/TWIST/KNIT/WEAVE/CUT.....927053	1,570	28.55	0.31	88.57
TEXTILE MACHINE SETTERS.....927023	420	7.64	0.00	34.29
MACHINE FEEDERS OFFBEARERS.....985023	290	5.27	0.00	20.00
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	250	4.55	0.00	68.57
MACHINERY MAINTENANC MECHANICS, TEXTILE MACHINES.....851123	170	3.09	0.00	42.86
CUTTERS & TRIMMERS, HAND.....939263	140	2.55	0.00	11.43
TEXTILE BLEACHING & DYEIN MACHINE OPERATORS.....927143	120	2.18	0.00	20.00
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	110	2.00	0.00	34.29
GENERAL MANAGERS & TO EXECUTIVES.....190053	90	1.64	2.48	62.86
TEXTILE DRAW-OUT MACHIN OPERATORS.....927113	80	1.45	8.96	22.86
TOTAL	3,240	58.91		

TOP 10 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 22 TEXTILE MILL PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 35
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TEXTILE MACHINE OPERATORS WIND/TWIST/KNIT/WEAVE/CUT.....927053	1,570	28.55	0.31	88.57
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	250	4.55	0.00	68.57
GENERAL MANAGERS & TO EXECUTIVES.....190053	90	1.64	2.48	62.86
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	30	0.55	0.00	45.71
INDUSTRIAL PRODUCTIO MANAGERS.....150143	30	0.55	0.00	42.86
MACHINERY MAINTENANC MECHANICS, TEXTILE MACHINES.....851123	170	3.09	0.00	42.86
JANITORS & CLEANERS.....670053	50	0.91	0.00	37.14
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	30	0.55	0.00	34.29
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	110	2.00	0.00	34.29
TEXTILE MACHINE SETTERS.....927023	420	7.64	0.00	34.29

MAINE
SIC 22 TEXTILE MILL PRODUCTS
BENCHMARK EMPLOYMENT: 5,440 TOTAL NUMBER OF RESPONDENTS: 35
REFERENCE DATE : April 12, 1992

OCCUPATION		EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL	000000	5,500	100.00	N.A.	N.A.	$ 9.20
MANAGERIAL & ADMINISTRATIVE	100003	180	3.27	N.A.	N.A.	21.30
FINANCIAL MANAGERS	130023	10	0.18	0.00	25.71	23.20
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS	130053	10	0.18	0.00	25.71	16.70
PURCHASING MANAGERS	130083	10	0.18	0.00	14.29	18.00
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS	130173	10	0.18	0.00	14.29	22.00
OTHER ADMINISTRATIVE MANAGERS	130993	10	0.18	N.A.	N.A.	15.30
INDUSTRIAL PRODUCTION MANAGERS	150143	30	0.55	0.00	42.86	16.50
GENERAL MANAGERS & TOP EXECUTIVES	190053	90	1.64	2.48	62.86	24.40
ALL OTHER MANAGERS & ADMINISTRATORS	199993	10	0.18	N.A.	N.A.	18.80
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS	200003	130	2.36	N.A.	N.A.	12.70
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS	211003	10	0.18	N.A.	N.A.	15.50
ACCOUNTANTS & AUDITORS	211143	10	0.18	0.00	14.29	15.50
PURCHASING AGENTS	213083	10	0.18	0.00	11.43	9.50
ALL OTHER MANAGEMENT SUPPORT	219993	20	0.36	N.A.	N.A.	11.80
ENGINEERS	221003	20	0.36	N.A.	N.A.	17.80
ALL OTHER ENGINEERS	221993	20	0.36	N.A.	N.A.	17.80
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225003	20	0.36	N.A.	N.A.	10.90
OTHER ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225993	20	0.36	N.A.	N.A.	10.90
ALL OTHER NATURAL SCIENTISTS & RELATED WORKERS	249993	10	0.18	N.A.	N.A.	12.60
COMPUTER SCIENTISTS & RELATED	251003	20	0.36	N.A.	N.A.	12.90
COMPUTER PROGRAMMERS	251053	10	0.18	0.00	11.43	12.20
OTHER COMPUTER SCIENTISTS & RELATED	251993	10	0.18	N.A.	N.A.	13.70
DESIGNERS, EXCEPT INTERIOR	340383	20	0.36	0.00	20.00	11.30
SALES & RELATED OCCUPATIONS	400003	80	1.45	N.A.	N.A.	12.20
FIRST LINE SUPERVISORS, SALES & RELATED	410023	10	0.18	0.00	11.43	23.20
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL	490083	20	0.36	0.00	17.14	13.60
SALESPERSONS, RETAIL	490113	10	0.18	0.00	11.43	7.60
ALL OTHER SALES & RELATED	499993	40	0.73	N.A.	N.A.	8.90
CLERICAL & ADMINISTRATIVE SUPPORT	500003	240	4.36	N.A.	N.A.	8.70
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE	510023	10	0.18	0.00	14.29	13.10
SECRETARIES, EXCEPT LEGAL & MEDICAL	551083	20	0.36	0.00	25.71	8.90

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 22 TEXTILE MILL PRODUCTS
BENCHMARK EMPLOYMENT: 5,440 TOTAL NUMBER OF RESPONDENTS: 35
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
RECEPTIONISTS & INFORMATION CLERKS.....553053	10	0.18	0.00	20.00	$ 8.90
PERSONNEL CLERKS, EXCEPT PAYROLL & TIMEKEEPING.....553143	10	0.18	0.00	11.43	8.00
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	30	0.55	0.00	34.29	8.30
PAYROLL & TIMEKEEPING CLERKS.....553413	10	0.18	0.00	17.14	9.30
BILLING, COST & RATE CLERKS.....553443	10	0.18	0.00	14.29	9.20
GENERAL OFFICE CLERKS.....553473	30	0.55	0.00	31.43	8.50
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	10	0.18	N.A.	N.A.	8.70
OTHER OFFICE MACHINE OPERATORS.....560993	10	0.18	N.A.	N.A.	8.70
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	80	1.45	N.A.	N.A.	8.70
PRODUCTION, PLANNING & EXPEDITING CLERKS.....580083	40	0.73	0.00	22.86	9.20
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	10	0.18	0.00	11.43	7.90
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	30	0.55	0.00	45.71	8.50
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	20	0.36	N.A.	N.A.	7.50
SERVICE OCCUPATIONS.....600003	90	1.64	N.A.	N.A.	8.10
GUARDS & WATCH GUARDS.....630473	30	0.55	0.00	22.86	8.40
JANITORS & CLEANERS.....670053	50	0.91	0.00	37.14	8.10
OTHER CLEANING & BUILDING SERVICE WORKERS.....670993	10	0.18	N.A.	N.A.	6.20
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	4,780	86.91	N.A.	N.A.	8.60
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	340	6.18	N.A.	N.A.	12.90
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	10	0.18	0.00	22.86	17.50
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	250	4.55	0.00	68.57	13.20
FIRST LINE SUPERVISORS, HELPERS/LABORERS/MOVERS-HAND.....810173	60	1.09	0.00	17.14	11.20
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	20	0.36	N.A.	N.A.	11.30
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	110	2.00	0.00	34.29	8.20
OTHER INSPECTORS, TESTERS & RELATED WORKERS.....830993	20	0.36	N.A.	N.A.	8.50
MECHANICS, INSTALLERS & REPAIRERS.....850003	340	6.18	N.A.	N.A.	9.40
MACHINERY MAINTENANCE MECHANICS, TEXTILE MACHINES.....851123	170	3.09	0.00	42.86	9.70
OTHER MACHINERY MAINTENANCE MECHANICS.....851193	50	0.91	N.A.	N.A.	9.10
MILLWRIGHTS.....851233	40	0.73	0.00	20.00	9.80
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	40	0.73	0.00	31.43	8.80
OTHER MECHANICS, INSTALLERS & REPAIRERS.....859993	40	0.73	N.A.	N.A.	8.30
CONSTRUCTION TRADE WORKERS, EXCEPT MATERIAL MOVING.....870003	40	0.73	N.A.	N.A.	9.80
ELECTRICIANS.....872023	30	0.55	0.00	20.00	10.10
PLUMBERS, PIPEFITTERS & STEAMFITTERS.....875023	10	0.18	0.00	8.57	9.20
OTHER CONSTRUCTION & EXTRACTIVE, EXCEPT HELPERS.....879993	10	0.18	N.A.	N.A.	9.60

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 22 TEXTILE MILL PRODUCTS
BENCHMARK EMPLOYMENT: 5,440 TOTAL NUMBER OF RESPONDENTS: 35
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
PRECISION METAL WORKERS....891003	10	0.18	N.A.	N.A.	$10.20
MACHINISTS....891083	10	0.18	0.00	11.43	10.20
PRECISION TEXTILE, APPAREL & FURNISHINGS WORKERS....895003	50	0.91	N.A.	N.A.	9.60
FABRIC/APPAREL PATTERNMAKERS & LAYOUT WORKERS....895023	10	0.18	0.00	14.29	9.20
PRECISION DYERS....895213	30	0.55	0.00	11.43	10.00
OTHER PRECISION TEXTILE, APPAREL & FURNISHINGS WORKERS....895993	10	0.18	N.A.	N.A.	9.00
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS....921003	240	4.36	N.A.	N.A.	8.90
ALL OTHER MACHINE SETTERS, METAL/PLASTIC....921973	10	0.18	N.A.	N.A.	5.80
ALL OTHER MACHINE OPERATORS, METAL/PLASTIC....921983	230	4.18	N.A.	N.A.	9.00
PRINTING, BINDING & RELATED....925003	10	0.18	N.A.	N.A.	8.90
PRINTING PRESS MACHINE OPERATORS....925433	10	0.18	0.00	8.57	8.90
TEXTILE & RELATED SETTERS & OPERATORS....927003	2,230	40.55	N.A.	N.A.	8.20
TEXTILE MACHINE SETTERS....927023	420	7.64	0.00	34.29	7.60
TEXTILE MACHINE OPERATORS, WIND/TWIST/KNIT/WEAVE/CUT....927053	1,570	28.55	0.31	88.57	8.20
TEXTILE DRAW-OUT MACH[illegible] OPERATORS....927113	80	1.45	8.96	22.86	8.30
TEXTILE BLEACHING & [illegible]G MACHINE OPERATORS....927143	120	2.18	0.00	20.00	9.40
SEWING MACHINE OPE[illegible] NON-GARMENT....927213	10	0.18	0.00	14.29	8.40
PRESSING MACHINE [illegible], TEXTILE & GARMENT....927283	30	0.55	3.13	11.43	7.90
OTHER TEXTILE & RELA[illegible]ERS & OPERATORS....927993	30	0.55	N.A.	N.A.	9.00
OTHER MACHINE SETTERS, [illegible]RATORS & TENDERS....929003	380	6.91	N.A.	N.A.	8.90
BOILER OPERATORS, LOW PRESSURE....929263	20	0.36	0.00	11.43	8.70
CLEANING, WASHING & PICKLING EQUIPMENT OPERATORS....929583	50	0.91	0.00	8.57	8.70
CRUSHING/GRINDING/MIXING/ BLENDING MACHINE OPERATORS....929653	30	0.55	0.00	8.57	8.90
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC....929973	20	0.36	N.A.	N.A.	8.00
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC....929983	260	4.73	N.A.	N.A.	9.00
OTHER HAND WORKERS, NEC....939003	240	4.36	N.A.	N.A.	6.80
SEWERS, HAND....939233	60	1.09	0.00	11.43	7.80
CUTTERS & TRIMMERS, HAND....939263	140	2.55	0.00	11.43	6.00
OTHER HAND WORKERS, NEC....939993	40	0.73	N.A.	N.A.	8.40
MOTOR VEHICLE OPERATORS....971003	50	0.91	N.A.	N.A.	7.20
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER....971023	40	0.73	0.00	17.14	6.70
TRUCK DRIVERS-LIGHT, INCLUDE DELIVERY/ROUTE WORKERS....971053	10	0.18	0.00	8.57	9.00
MATERIAL MOVING EQUIPMENT OPERATORS....979003	50	0.91	N.A.	N.A.	9.00
INDUSTRIAL TRUCK & TRACTOR OPERATORS....979473	50	0.91	0.00	8.57	9.00
HELPERS, LABORERS & MATERIAL MOVERS, HAND....980003	620	11.27	N.A.	N.A.	8.10
MACHINE FEEDERS & OFFBEARERS....985023	290	5.27	0.00	20.00	8.10
FREIGHT, STOCK & MATERIAL MOVERS, HAND....987003	160	2.91	N.A.	N.A.	8.30

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

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MAINE
SIC 22 TEXTILE MILL PRODUCTS
BENCHMARK EMPLOYMENT: 5,440 TOTAL NUMBER OF RESPONDENTS: 35
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
HAND PACKERS & PACKAGERS.....989023	50	0.91	0.00	17.14	$6.90
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	120	2.18	N.A.	N.A.	8.30
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	10	0.18	N.A.	N.A.	8.00

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

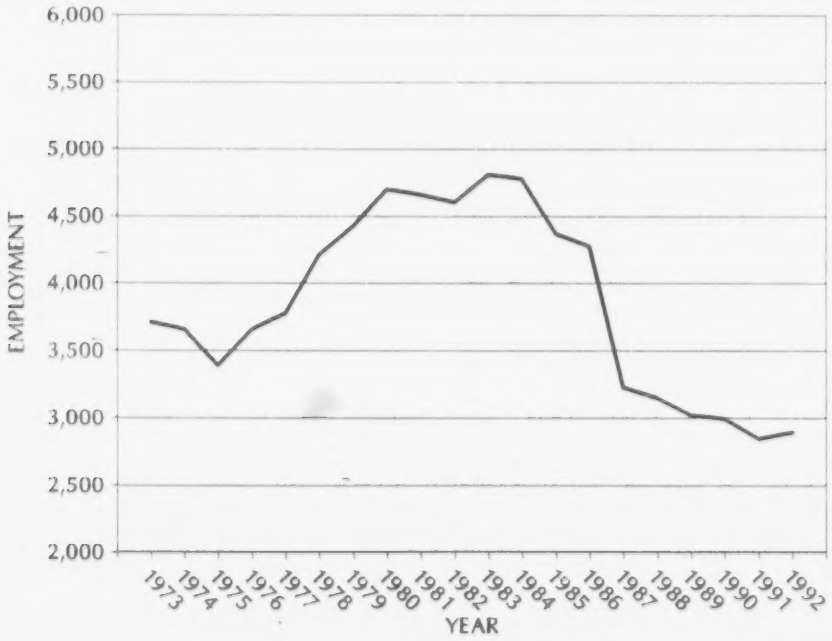
APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS
SIC 23

This major industry group, known as the cutting-up and needle trades, includes establishments producing clothing and fabricating products by cutting and sewing purchased woven or knit textile and related materials, such as leather, rubberized fabrics, plastics, and furs. Also included are establishments that manufacture clothing by cutting and joining (for example, by adhesive) materials such as paper and nonwoven textiles. Included are three types of establishments: (1) the regular or inside factories; (2) contract factories; and (3) apparel jobbers.

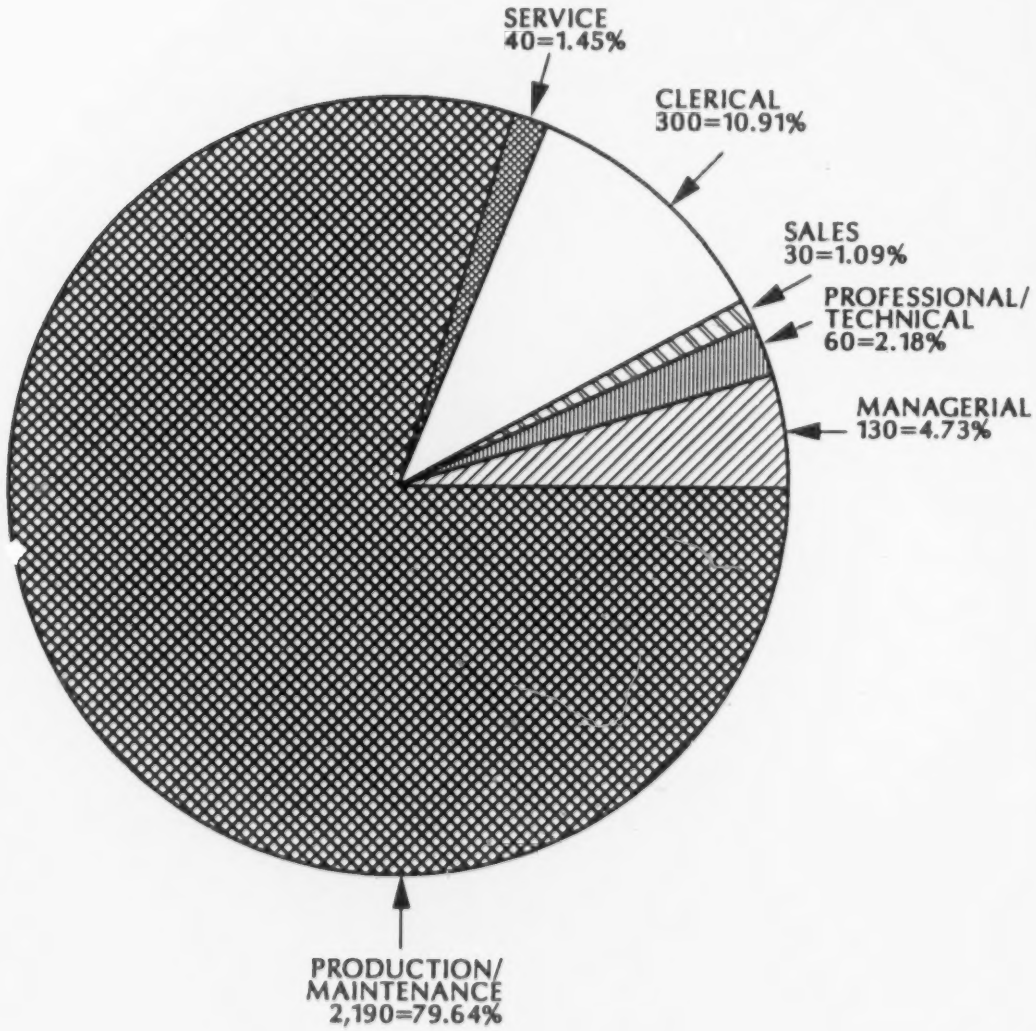
Employment in this industry experienced increases for most of the years between 1975 an 1983, adding a total of 1,400 workers, or 42 percent. However, between 1984 and 1991 employment dropped by 2,000 workers, or 41.7 percent, to a low of 2,800 employees. There was a slight increase of about 100 workers between 1991 and 1992.

In 1992, total wages paid to employees in the apparel and related products industry equaled $45.4 million. The average annual wage per worker was $15,961. This average wage was 9.3 percent higher than the $14,600 annual average wage for this industry's workers in 1989.

ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT IN APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS



TOP 11 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 23 - APPAREL AND OTHER TEXTILE PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 27
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SEWING MACHINE OPERATORS GARMENT.....927173	670	24.36	0.00	40.74
CUSTOM TAILORS & SEWERS.....895053	370	13.45	2.67	14.81
SEWING MACHINE OPERATORS NON-GARMENT.....927213	370	13.45	2.00	44.44
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	90	3.27	0.00	33.33
GENERAL MANAGERS & TO EXECUTIVES.....190053	60	2.18	7.10	77.78
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	60	2.18	1.75	51.85
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	60	2.18	0.00	44.44
FABRIC/APPAREL PATTERNMAKER & LAYOUT WORKERS.....895023	50	1.82	26.45	33.33
HAND PACKERS & PACKAGERS.....989023	50	1.82	0.00	29.63
GENERAL OFFICE CLERKS.....553473	40	1.45	9.01	51.85
PRESSING MACHINE OPERATORS TEXTILE & GARMENT.....927283	40	1.45	0.00	18.52
TOTAL	1,860	67.64		

TOP 10 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 23 APPAREL AND OTHER TEXTILE PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 27
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	60	2.18	7.10	77.78
GENERAL OFFICE CLERKS.....553473	40	1.45	9.01	51.85
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	60	2.18	1.75	51.85
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	60	2.18	0.00	44.44
SEWING MACHINE OPERATORS NON-GARMENT.....927213	370	13.45	2.00	44.44
SEWING MACHINE OPERATORS GARMENT.....927173	670	24.36	0.00	40.74
SECRETARIES, EXCEPT LEGA & MEDICAL.....551083	30	1.09	3.45	33.33
JANITORS & CLEANERS.....670053	20	0.73	0.00	33.33
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	90	3.27	0.00	33.33
FABRIC/APPAREL PATTERNMAKER & LAYOUT WORKERS.....895023	50	1.82	26.45	33.33

MAINE
SIC 23 APPAREL AND OTHER TEXTILE PRODUCTS
BENCHMARK EMPLOYMENT: 2,710 TOTAL NUMBER OF RESPONDENTS: 27
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	2,750	100.00	N.A.	N.A.	$ 8.10
MANAGERIAL & ADMINISTRATIVE.....100003	130	4.73	N.A.	N.A.	17.60
OTHER ADMINISTRATIVE MANAGERS.....130993	20	0.73	N.A.	N.A.	16.80
INDUSTRIAL PRODUCTION MANAGERS.....150143	30	1.09	0.00	25.93	14.10
GENERAL MANAGERS & TOP EXECUTIVES.....190053	60	2.18	7.10	77.78	20.20
ALL OTHER MANAGERS & ADMINISTRATORS.....199993	20	0.73	N.A.	N.A.	15.30
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	60	2.18	N.A.	N.A.	11.20
COMPUTER SCIENTISTS & RELATED.....251003	10	0.36	N.A.	N.A.	16.00
OTHER COMPUTER SCIENTISTS & RELATED.....251993	10	0.36	N.A.	N.A.	16.00
OTHER TEACHERS/INSTRUCTORS.....313993	10	0.36	N.A.	N.A.	11.70
DESIGNERS, EXCEPT INTERIOR.....340383	20	0.73	32.01	22.22	9.70
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS.....399993	20	0.73	N.A.	N.A.	11.00
SALES & RELATED OCCUPATIONS.....400003	30	1.09	N.A.	N.A.	8.10
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL.....490083	10	0.36	0.00	11.11	10.80
SALESPERSONS, RETAIL.....490113	20	0.73	13.27	25.93	7.10
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	300	10.91	N.A.	N.A.	8.00
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	10	0.36	0.00	18.52	12.60
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	30	1.09	3.45	33.33	8.10
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE.....553233	20	0.73	0.00	18.52	8.80
PROCUREMENT CLERKS.....553263	10	0.36	0.00	14.81	8.30
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	10	0.36	0.00	25.93	9.50
PAYROLL & TIMEKEEPING CLERKS.....553413	10	0.36	0.00	18.52	8.30
BILLING, COST & RATE CLERKS.....553443	10	0.36	0.00	14.81	9.10
GENERAL OFFICE CLERKS.....553473	40	1.45	9.01	51.85	8.60
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	20	0.73	N.A.	N.A.	9.30
DATA ENTRY KEYERS, EXCEPT COMPOSING.....560173	10	0.36	0.00	11.11	6.80
OTHER OFFICE MACHINE OPERATORS.....560993	10	0.36	N.A.	N.A.	11.00
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....590003	130	4.73	N.A.	N.A.	7.10
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	30	1.09	9.07	29.63	7.10
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	60	2.18	1.75	51.85	6.70
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING.....580993	40	1.45	N.A.	N.A.	7.60
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	10	0.36	N.A.	N.A.	7.30

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MAINE
SIC 23 APPAREL AND OTHER TEXTILE PRODUCTS
BENCHMARK EMPLOYMENT: 2,710 TOTAL NUMBER OF RESPONDENTS: 27
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
SERVICE OCCUPATIONS.....600003	40	1.45	N.A.	N.A.	$ 6.70
JANITORS & CLEANERS.....670053	20	0.73	0.00	33.33	6.30
OTHER CLEANING & BUILDING SERVICE WORKERS.....670993	10	0.36	N.A.	N.A.	5.30
ALL OTHER SERVICE WORKERS.....699993	10	0.36	N.A.	N.A.	9.50
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	2,190	79.64	N.A.	N.A.	7.50
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	80	2.91	N.A.	N.A.	10.50
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	10	0.36	0.00	14.81	13.20
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	60	2.18	0.00	44.44	10.40
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	10	0.36	N.A.	N.A.	9.70
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	90	3.27	0.00	33.33	6.30
MECHANICS, INSTALLERS & REPAIRERS.....850003	60	2.18	N.A.	N.A.	8.50
MACHINERY MAINTENANCE MECHANICS, SEWING MACHINES.....851133	20	0.73	0.00	29.63	9.60
OTHER MACHINERY MAINTENANCE MECHANICS.....851193	10	0.36	N.A.	N.A.	8.20
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	10	0.36	0.00	14.81	6.80
OTHER MECHANICS, INSTALLERS & REPAIRERS.....859993	20	0.73	N.A.	N.A.	8.30
OTHER CONSTRUCTION & EXTRACTIVE, EXCEPT HELPERS.....879993	10	0.36	N.A.	N.A.	9.90
PRECISION METAL WORKERS.....891003	20	0.73	N.A.	N.A.	8.70
OTHER PRECISION METAL WORKERS.....891993	20	0.73	N.A.	N.A.	8.70
PRECISION TEXTILE, APPAREL & FURNISHINGS WORKERS.....895003	420	15.27	N.A.	N.A.	7.50
FABRIC/APPAREL PATTERNMAKERS & LAYOUT WORKERS.....895023	50	1.82	26.45	33.33	8.00
CUSTOM TAILORS & SEWERS.....895053	370	13.45	2.67	14.81	7.50
PRECISION WORKERS, NEC.....899003	20	0.73	N.A.	N.A.	6.20
OTHER PRECISION WORKERS, NEC.....899993	20	0.73	N.A.	N.A.	6.20
PRINTING, BINDING & RELATED.....925003	20	0.73	N.A.	N.A.	7.40
SCREEN PRINTING MACHINE SETTERS.....925243	20	0.73	9.62	14.81	7.40
TEXTILE & RELATED SETTERS & OPERATORS.....927003	1,080	39.27	N.A.	N.A.	7.30
SEWING MACHINE OPERATORS, GARMENT.....927173	670	24.36	0.00	40.74	7.10
SEWING MACHINE OPERATORS, NON-GARMENT.....927213	370	13.45	2.00	44.44	7.70
PRESSING MACHINE OPERATORS, TEXTILE & GARMENT.....927283	40	1.45	0.00	18.52	6.00
OTHER TEXTILE & RELATED SETTERS & OPERATORS.....927993	10	0.36	N.A.	N.A.	8.40
OTHER MACHINE SETTERS, OPERATORS & TENDER 929003	140	5.09	N.A.	N.A.	8.50
OTHER MACHINE SETTERS, EXCEPT METAL/PLA C.....929973	30	1.09	N.A.	N.A.	8.80
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	110	4.00	N.A.	N.A.	8.50
OTHER HAND WORKERS, NEC.....939003	150	5.45	N.A.	N.A.	6.50
CUTTERS & TRIMMERS, HAND.....939263	30	1.09	0.00	22.22	6.20

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

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MAINE
SIC 23 APPAREL AND OTHER TEXTILE PRODUCTS
BENCHMARK EMPLOYMENT: 2,710 TOTAL NUMBER OF RESPONDENTS: 27
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
PORTABLE MACHINE CUTTERS....939283	20	0.73	0.00	22.22	$ 7.80
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION....939563	20	0.73	0.00	18.52	7.60
OTHER HAND WORKERS, NEC....939993	80	2.91	N.A.	N.A.	6.20
MATERIAL MOVING EQUIPMENT OPERATORS....979003	10	0.36	N.A.	N.A.	9.00
OTHER MATERIAL MOVING EQUIPMENT OPERATORS....979893	10	0.36	N.A.	N.A.	9.00
HELPERS, LABORERS & MATERIAL MOVERS, HAND....980003	80	2.91	N.A.	N.A.	5.90
HAND PACKERS & PACKAGERS....989023	50	1.82	0.00	29.63	5.80
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND....989993	30	1.09	N.A.	N.A.	6.00

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

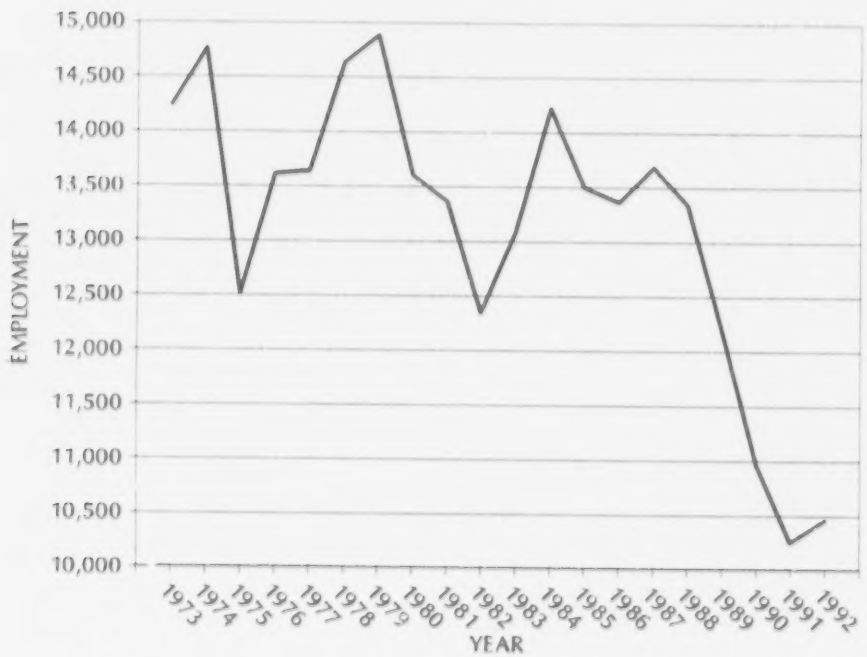
LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE
SIC 24

This major industry group includes establishments engaged in cutting timber and pulpwood; merchant sawmills, lath mills, shingle mills, cooperage stock mills, planing mills, and plywood mills and veneer mills engaged in producing lumber and wood basic materials; and establishments engaged in manufacturing finished articles made entirely or mainly of wood or related materials.

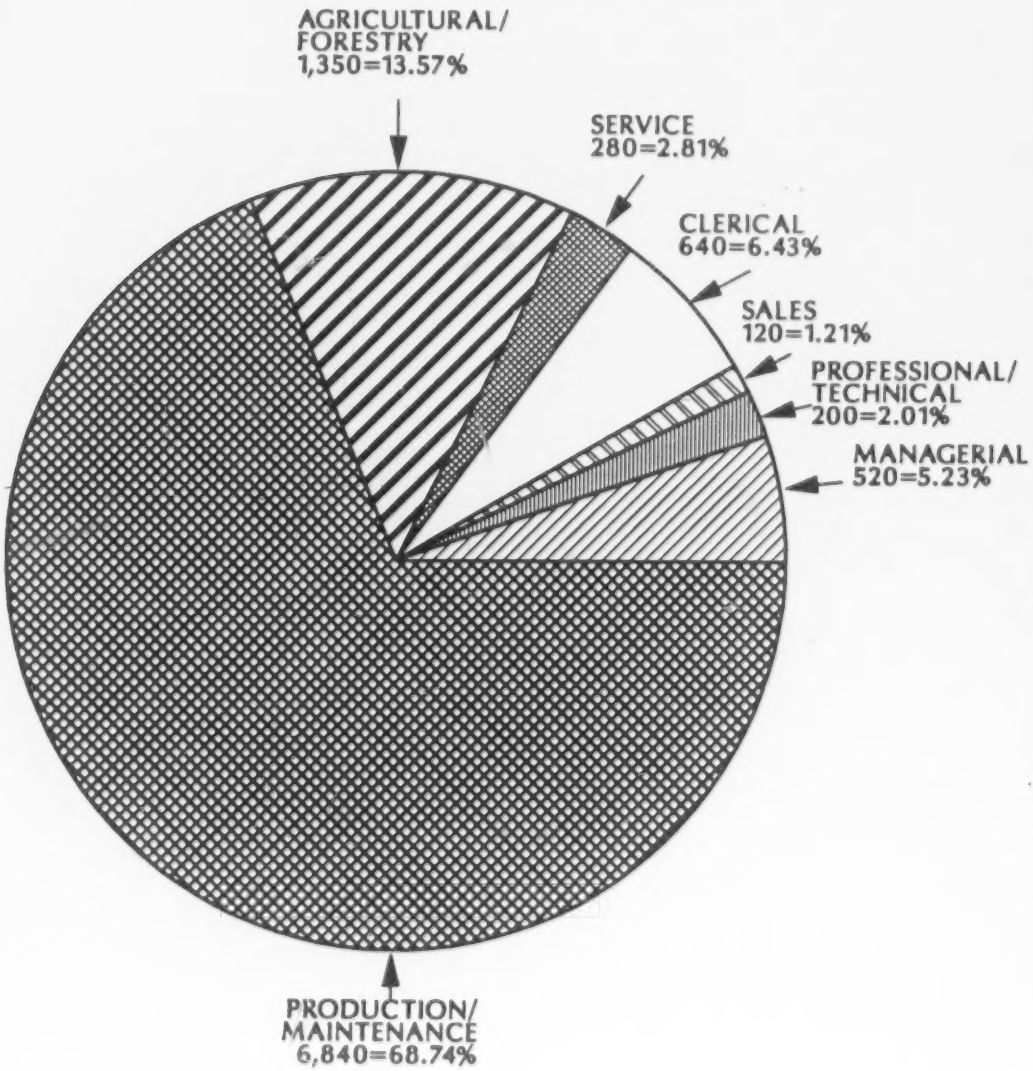
Employment in this industry has been very erratic, fluctuating between 14,900 and 10,300 workers. The most dramatic decline occurred between 1987 and 1991 when employment dropped by 3,400 workers, or 24.8 percent, and reached a low of 10,300 employees.

In 1992, total wages paid to employees in the lumber and wood products industry equaled $212.7 million. The average annual wage per worker was $19,708. This average wage was 5.7 percent higher than the $18,643 annual average wage for this industry's workers in 1989.

ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT
IN LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE



TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 24 LUMBER AND WOOD PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 191
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
WOODWORKING MACHIN OPERATORS, EXCEPT SAWING.....923143	720	7.24	4.32	28.80
SAWING MACHINE OPERATORS.....923083	620	6.23	3.69	37.17
MACHINE FEEDERS OFFBEARERS.....985023	560	5.63	5.40	17.28
FALLERS & BUCKERS.....730023	460	4.62	6.78	22.51
LOGGING TRACTOR OPERATORS.....730113	440	4.42	6.64	26.70
GENERAL MANAGERS & TO EXECUTIVES.....190053	330	3.32	8.21	57.59
LOG HANDLING EQUIPMEN OPERATORS.....730083	250	2.51	11.20	30.89
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	250	2.51	2.63	17.28
INDUSTRIAL TRUCK & TRACTO OPERATORS.....979473	250	2.51	1.51	23.04
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	230	2.31	4.91	31.41
TOTAL	4,110	41.31		

TOP 10 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 24 LUMBER AND WOOD PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 191
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	330	3.32	8.21	57.59
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	160	1.61	7.95	38.22
SAWING MACHINE OPERATORS.....923083	620	6.23	3.69	37.17
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	230	2.31	4.91	31.41
LOG HANDLING EQUIPMEN OPERATORS.....730083	250	2.51	11.20	30.89
WOODWORKING MACHIN OPERATORS, EXCEPT SAWING.....923143	720	7.24	4.32	28.80
GENERAL OFFICE CLERKS.....553473	130	1.31	6.83	28.27
HEAD SAWYERS.....923053	140	1.41	8.33	27.75
TRUCK DRIVERS, HEAV OR TRACTOR TRAILER.....971023	180	1.81	13.97	27.75
LOGGING TRACTOR OPERATORS.....730113	440	4.42	6.64	26.70

MAINE
SIC 24 LUMBER AND WOOD PRODUCTS
BENCHMARK EMPLOYMENT: 9,940 TOTAL NUMBER OF RESPONDENTS: 191
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	9,950	100.00	N.A.	N.A.	$ 9.30
MANAGERIAL & ADMINISTRATIVE.....100003	520	5.23	N.A.	N.A.	18.90
FINANCIAL MANAGERS.....130023	30	0.30	0.00	8.38	23.50
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS.....130053	20	0.20	0.00	5.24	24.70
PURCHASING MANAGERS.....130083	20	0.20	0.00	4.19	13.40
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS.....130113	10	0.10	0.00	3.14	27.60
OTHER ADMINISTRATIVE MANAGERS.....130993	10	0.10	N.A.	N.A.	22.00
INDUSTRIAL PRODUCTION MANAGERS.....150143	80	0.80	4.40	19.90	19.20
GENERAL MANAGERS & TOP EXECUTIVES.....190053	330	3.32	8.21	57.59	18.40
ALL OTHER MANAGERS & ADMINISTRATORS.....199993	20	0.20	N.A.	N.A.	14.40
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	200	2.01	N.A.	N.A.	14.20
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS.....211003	20	0.20	N.A.	N.A.	13.20
ACCOUNTANTS & AUDITORS.....211143	20	0.20	0.00	7.85	13.20
BUYERS, FARM PRODUCTS.....213053	10	0.10	0.00	2.09	16.40
PURCHASING AGENTS.....213083	20	0.20	6.15	6.81	14.90
PERSONNEL, TRAINING & LABOR RELATIONS SPECIALISTS.....215113	10	0.10	0.00	3.14	12.10
COST ESTIMATORS.....219023	10	0.10	12.37	3.66	12.80
ENGINEERS.....221003	20	0.20	N.A.	N.A.	20.20
MECHANICAL ENGINEERS.....221353	20	0.20	0.00	3.14	20.20
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....225003	40	0.40	N.A.	N.A.	9.80
DRAFTERS.....225143	30	0.30	2.94	6.28	9.40
OTHER ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....225993	10	0.10	N.A.	N.A.	10.90
LIFE SCIENTISTS.....243003	40	0.40	N.A.	N.A.	16.30
FORESTERS & CONSERVATION SCIENTISTS.....243023	40	0.40	9.12	7.33	16.30
COMPUTER SCIENTISTS & RELATED.....251003	10	0.10	N.A.	N.A.	19.80
SYSTEMS ANALYSTS.....251023	10	0.10	0.00	1.57	19.80
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS.....399993	20	0.20	N.A.	N.A.	13.50
SALES & RELATED OCCUPATIONS.....400003	120	1.21	N.A.	N.A.	15.10
FIRST LINE SUPERVISORS, SALES & RELATED.....410023	20	0.20	0.00	4.19	17.70
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL.....490083	50	0.50	6.93	11.52	15.10
SALESPERSONS, RETAIL.....490113	20	0.20	0.00	2.62	11.10
ALL OTHER SALES & RELATED.....499993	30	0.30	N.A.	N.A.	16.70
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	640	6.43	N.A.	N.A.	8.40

N.A. not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 24 LUMBER AND WOOD PRODUCTS
BENCHMARK EMPLOYMENT: 9,940 TOTAL NUMBER OF RESPONDENTS: 191
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	40	0.40	0.00	10.47	$13.50
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	110	1.11	14.26	25.65	7.30
RECEPTIONISTS & INFORMATION CLERKS.....553053	10	0.10	0.00	4.71	8.40
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE.....553233	30	0.30	0.00	2.09	9.90
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	160	1.61	7.95	38.22	8.30
PAYROLL & TIMEKEEPING CLERKS.....553413	10	0.10	0.00	3.66	10.40
GENERAL OFFICE CLERKS.....553473	130	1.31	6.83	28.27	6.50
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	10	0.10	N.A.	N.A.	7.10
DATA ENTRY KEYERS, EXCEPT COMPOSING.....560173	10	0.10	0.00	1.57	7.10
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	100	1.01	N.A.	N.A.	9.50
PRODUCTION, PLANNING & EXPEDITING CLERKS.....580083	10	0.10	0.00	3.14	12.50
WEIGHERS, MEASURERS, CHECKERS & SAMPLERS, RECORDKEEPING.....580173	10	0.10	0.00	2.09	8.10
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	20	0.20	0.00	4.19	9.50
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	60	0.60	0.00	12.04	8.90
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	40	0.40	N.A.	N.A.	9.40
SERVICE OCCUPATIONS.....600003	280	2.81	N.A.	N.A.	7.50
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SERVICE.....610003	10	0.10	N.A.	N.A.	12.30
GUARDS & WATCH GUARDS.....630473	60	0.60	9.26	9.42	6.90
JANITORS & CLEANERS.....670053	180	1.81	4.33	18.85	7.40
OTHER CLEANING & BUILDING SERVICE WORKERS.....670993	20	0.20	N.A.	N.A.	7.50
ALL OTHER SERVICE WORKERS.....699993	10	0.10	N.A.	N.A.	10.20
AGRICULTURAL, FORESTRY, FISHING & RELATED.....700003	1,350	13.57	N.A.	N.A.	9.20
FIRST LINE SUPERVISORS, AGRICULTURAL/FORESTRY/FISHING.....720023	50	0.50	13.61	12.57	12.10
FALLERS & BUCKERS.....730023	460	4.62	6.78	22.51	8.40
LOG HANDLING EQUIPMENT OPERATORS.....730083	250	2.51	11.20	30.89	10.10
LOGGING TRACTOR OPERATORS.....730113	440	4.42	6.64	26.70	9.00
OTHER TIMBER CUTTING & RELATED LOGGING WORKERS.....730993	40	0.40	N.A.	N.A.	10.10
LOG GRADERS & SCALERS.....790083	90	0.90	10.02	23.04	10.30
ALL OTHER AGRICULTURAL, FORESTRY & FISHING WORKERS.....799993	20	0.20	N.A.	N.A.	7.50
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	6,840	68.74	N.A.	N.A.	8.40
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	320	3.22	N.A.	N.A.	13.00
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	60	0.60	0.00	9.42	15.80
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	230	2.31	4.91	31.41	12.20
FIRST LINE SUPERVISORS, TRANSPORT/MOVING MACHINES.....810113	10	0.10	0.00	3.14	14.80

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 24 LUMBER AND WOOD PRODUCTS
BENCHMARK EMPLOYMENT: 9,940 TOTAL NUMBER OF RESPONDENTS: 191
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FIRST LINE SUPERVISORS, HELPERS/LABORERS/MOVERS-HAND.....810173	10	0.10	0.00	2.62	$12.10
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	10	0.10	N.A.	N.A.	12.80
PRECISION INSPECTORS, TESTERS & GRADERS.....830023	20	0.20	0.00	2.09	10.60
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	250	2.51	2.63	17.28	7.60
MECHANICS, INSTALLERS & REPAIRERS.....850003	600	6.03	N.A.	N.A.	10.20
MACHINERY MAINTENANCE MECHANICS.....851103	220	2.21	1.46	18.85	10.30
MILLWRIGHTS.....851233	50	0.50	0.00	7.33	11.50
MACHINERY MAINTENANCE WORKERS.....851283	60	0.60	2.28	6.28	9.30
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	200	2.01	6.15	23.04	9.90
AUTOMOTIVE MECHANICS.....853023	20	0.20	25.00	3.66	9.40
BUS & TRUCK MECHANICS & DIESEL ENGINE SPECIALISTS.....853113	10	0.10	18.84	3.14	9.30
MOBILE HEAVY EQUIPMENT MECHANICS, EXCEPT ENGINES.....853143	40	0.40	13.70	7.33	11.00
CONSTRUCTION TRADE WORKERS, EXCEPT MATERIAL MOVING.....870003	230	2.31	N.A.	N.A.	9.10
CARPENTERS.....871023	130	1.31	0.00	5.76	8.10
ELECTRICIANS.....872023	80	0.80	0.00	8.38	11.00
OTHER PAINTING & REL WKRS.....874993	10	0.10	N.A.	N.A.	8.80
PLUMBERS, PIPEFITTERS & STEAMFITTERS.....875023	10	0.10	0.00	1.57	8.50
PRECISION METAL WORKERS.....891003	150	1.51	N.A.	N.A.	10.70
TOOL & DIE MAKERS.....891023	10	0.10	0.00	2.09	8.90
MACHINISTS.....891083	60	0.60	0.00	7.85	10.60
TOOL GRINDERS, FILERS & SHARPENERS.....891113	70	0.70	0.00	11.52	10.90
OTHER PRECISION METAL WORKERS.....891993	10	0.10	N.A.	N.A.	10.30
PRECISION WOODWORKERS.....893003	360	3.62	N.A.	N.A.	7.70
WOOD MACHINISTS.....893083	190	1.91	3.28	3.66	6.80
CABINETMAKERS & BENCH CARPENTERS.....893113	130	1.31	11.69	7.33	9.20
OTHER PRECISION WOODWORKERS.....893993	40	0.40	N.A.	N.A.	7.50
PRECISION WORKERS, NEC.....899003	10	0.10	N.A.	N.A.	9.70
OTHER PRECISION WORKERS, NEC.....899993	10	0.10	N.A.	N.A.	9.70
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS.....921003	20	0.20	N.A.	N.A.	9.80
ALL OTHER MACHINE OPERATORS, METAL/PLASTIC.....921983	20	0.20	N.A.	N.A.	9.80
WOODWORKING MACHINE SETTERS, OPERATORS.....923003	1,700	17.09	N.A.	N.A.	7.80
SAWING MACHINE SETTERS.....923023	30	0.30	0.00	2.62	7.90
HEAD SAWYERS.....923053	140	1.41	8.33	27.75	10.00
SAWING MACHINE OPERATORS.....923083	620	6.23	3.69	37.17	8.00
WOODWORKING MACHINE SETTERS.....923113	190	1.91	2.32	15.71	7.60
WOODWORKING MACHINE OPERATORS, EXCEPT SAWING.....923143	720	7.24	4.32	28.80	7.10
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	970	9.75	N.A.	N.A.	8.60

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 24 LUMBER AND WOOD PRODUCTS
BENCHMARK EMPLOYMENT: 9,940 TOTAL NUMBER OF RESPONDENTS: 191
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERATORS.....929233	80	0.80	0.00	13.61	$ 9.50
BOILER OPERATORS, LOW PRESSURE.....929263	150	1.51	0.00	10.99	9.30
CUTTING & SLICING MACHINE OPERATORS.....929443	40	0.40	7.64	5.24	6.90
COATING, PAINTING & SPRAYING MACHINE SETTERS.....929513	60	0.60	2.28	6.28	8.10
COATING, PAINTING & SPRAYING MACHINE OPERATORS.....929533	60	0.60	11.18	8.38	7.10
CEMENTING & GLUING MACHINE OPERATORS.....929563	40	0.40	16.58	2.62	7.30
CRUSHING/GRINDING/MIXING/ BLENDING MACHINE OPERATORS.....929653	70	0.70	12.40	10.47	9.30
PACKAGING & FILLING MACHINE OPERATORS.....929743	60	0.60	0.00	6.28	6.60
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC.....929973	40	0.40	N.A.	N.A.	9.20
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	370	3.72	N.A.	N.A.	8.90
OTHER HAND WORKERS, NEC.....939003	280	2.81	N.A.	N.A.	6.80
GRINDING & POLISHING WORKERS, HAND.....939533	10	0.10	0.00	2.62	6.80
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION.....939563	170	1.71	8.10	8.38	6.40
OTHER HAND WORKERS, NEC.....939993	100	1.01	N.A.	N.A.	7.50
PLANT & SYSTEM WORKERS.....950003	10	0.10	N.A.	N.A.	8.60
MOTOR VEHICLE OPERATORS.....971003	190	1.91	N.A.	N.A.	9.10
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER.....971023	180	1.81	13.97	27.75	9.20
TRUCK DRIVERS-LIGHT, INCLUDE DELIVERY/ROUTE WORKERS.....971053	10	0.10	15.75	2.62	7.50
MATERIAL MOVING EQUIPMENT OPERATORS.....979003	440	4.42	N.A.	N.A.	8.70
GRADER, DOZER & SCRAPER OPERATORS.....979383	40	0.40	9.85	7.33	9.30
INDUSTRIAL TRUCK & TRACTOR OPERATORS.....979473	250	2.51	1.51	23.04	8.90
CONVEYOR OPERATORS & TENDERS.....979513	50	0.50	0.00	3.14	8.80
OTHER MATERIAL MOVING EQUIPMENT OPERATORS.....979893	100	1.01	N.A.	N.A.	10.30
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	1,290	12.96	N.A.	N.A.	7.30
MACHINE FEEDERS & OFFBEARERS.....985023	560	5.63	5.40	17.28	7.00
FREIGHT, STOCK & MATERIAL MOVERS, HAND.....987003	240	2.41	N.A.	N.A.	7.30
HAND PACKERS & PACKAGERS.....989023	220	2.21	0.00	13.09	7.30
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	270	2.71	N.A.	N.A.	8.10
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	10	0.10	N.A.	N.A.	7.80

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

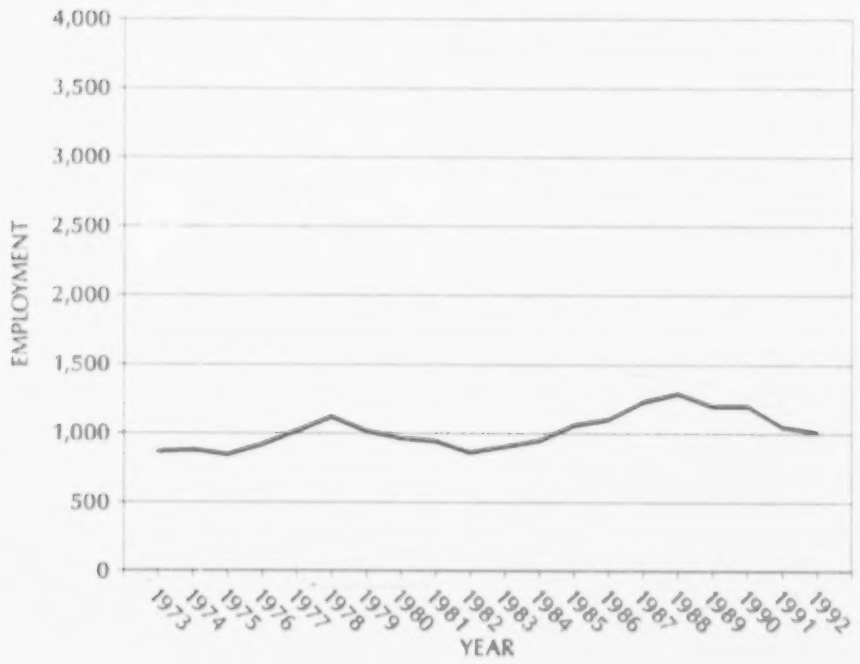
FURNITURE AND FIXTURES
SIC 25

This major industry group includes establishments engaged in manufacturing household, office, public building, and restaurant furniture; and office and store fixtures.

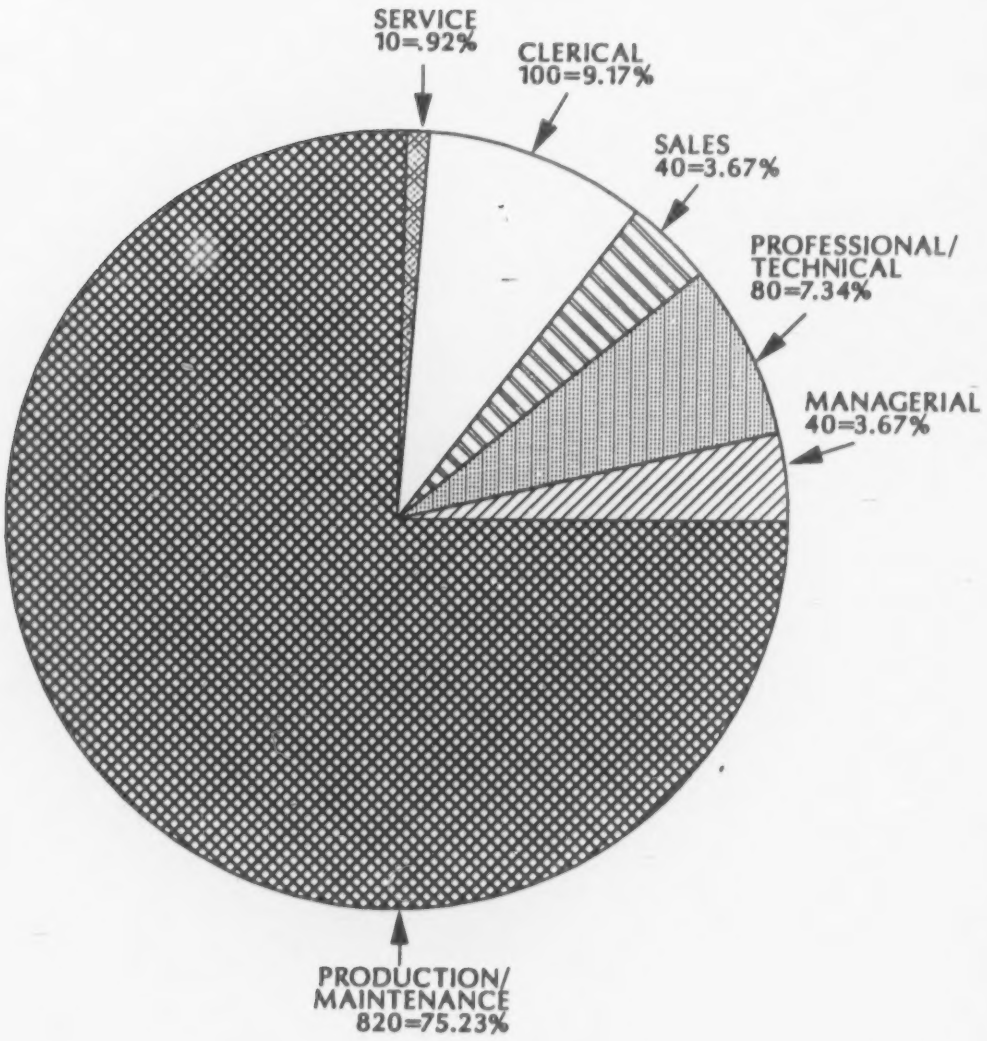
Employment in this industry showed growth of 400 workers, or 44.4 percent between 1982 and 1988, but then dropped by 300 workers to 1,000 employees in 1992.

In 1992, total wages paid to employees in the furniture and fixtures industry equaled $22.3 million. The average annual wage per worker was $22,294. This average wage was 8.6 percent higher than the $20,521 annual average wage for this industry's workers in 1989.

ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT IN FURNITURE AND FIXTURES



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN FURNITURE AND FIXTURES



TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 25 FURNITURE AND FIXTURES
TOTAL NUMBER OF RESPONDENTS: 17
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	140	12.84	4.19	47.06
WOODWORKING MACHIN OPERATORS, EXCEPT SAWING.....923143	80	7.34	1.72	41.18
CABINETMAKERS & BENC CARPENTERS.....893113	70	6.42	12.40	58.82
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	60	5.50	1.59	58.82
WOOD MACHINISTS.....893083	60	5.50	16.06	35.29
FURNITURE FINISHERS.....893143	50	4.59	6.14	64.71
GENERAL MANAGERS & TO EXECUTIVES.....190053	20	1.83	12.86	64.71
SECRETARIES, EXCEPT LEGA & MEDICAL.....551083	20	1.83	6.25	23.53
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	20	1.83	10.58	70.59
UPHOLSTERERS.....895083	20	1.83	27.78	23.53
TOTAL	540	49.54		

TOP 10 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 25 FURNITURE AND FIXTURES
TOTAL NUMBER OF RESPONDENTS: 17
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	20	1.83	10.58	70.59
GENERAL MANAGERS & TO EXECUTIVES.....190053	20	1.83	12.86	64.71
FURNITURE FINISHERS.....893143	50	4.59	6.14	64.71
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	60	5.50	1.59	58.82
CABINETMAKERS & BENC CARPENTERS.....893113	70	6.42	12.40	58.82
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	140	12.84	4.19	47.06
WOODWORKING MACHIN OPERATORS, EXCEPT SAWING.....923143	80	7.34	1.72	41.18
INDUSTRIAL PRODUCTIO MANAGERS.....150143	10	0.92	16.67	35.29
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	10	0.92	8.33	35.29
WOOD MACHINISTS.....893083	60	5.50	16.06	35.29

MAINE
SIC 25 FURNITURE AND FIXTURES
BENCHMARK EMPLOYMENT: 1,080 TOTAL NUMBER OF RESPONDENTS: 17
REFERENCE DATE : May 12, 1992

OCCUPATION		EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL	000000	1,090	100.00	N.A.	N.A.	$ 9.50
MANAGERIAL & ADMINISTRATIVE	100003	40	3.67	N.A.	N.A.	22.90
OTHER ADMINISTRATIVE MANAGERS	130993	10	0.92	N.A.	N.A.	22.30
INDUSTRIAL PRODUCTION MANAGERS	150143	10	0.92	16.67	35.29	20.50
GENERAL MANAGERS & TOP EXECUTIVES	190053	20	1.83	12.86	64.71	23.90
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS	200003	80	7.34	N.A.	N.A.	13.70
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS	211003	10	0.92	N.A.	N.A.	17.30
ACCOUNTANTS & AUDITORS	211143	10	0.92	16.67	17.65	17.30
ALL OTHER MANAGEMENT SUPPORT	219993	10	0.92	N.A.	N.A.	13.40
ENGINEERS	221003	10	0.92	N.A.	N.A.	19.70
ALL OTHER ENGINEERS	221993	10	0.92	N.A.	N.A.	19.70
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225003	40	3.67	N.A.	N.A.	12.00
OTHER ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225993	40	3.67	N.A.	N.A.	12.00
COMPUTER SCIENTISTS & RELATED	251003	10	0.92	N.A.	N.A.	16.00
OTHER COMPUTER SCIENTISTS & RELATED	251993	10	0.92	N.A.	N.A.	16.00
SALES & RELATED OCCUPATIONS	400003	40	3.67	N.A.	N.A.	15.20
SALESPERSONS, SCIENTIFIC PRODUCTS & SERVICES	490053	10	0.92	0.00	17.65	20.10
ALL OTHER SALES & RELATED	499993	30	2.75	N.A.	N.A.	13.70
CLERICAL & ADMINISTRATIVE SUPPORT	500003	100	9.17	N.A.	N.A.	9.10
SECRETARIES, EXCEPT LEGAL & MEDICAL	551083	20	1.83	6.25	23.53	10.30
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS	553383	20	1.83	10.58	70.59	9.60
GENERAL OFFICE CLERKS	553473	10	0.92	14.29	29.41	6.50
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING	580003	30	2.75	N.A.	N.A.	9.30
PRODUCTION, PLANNING & EXPEDITING CLERKS	580083	10	0.92	0.00	23.53	9.80
TRAFFIC, SHIPPING, & RECEIVING CLERKS	580283	10	0.92	8.33	35.29	8.10
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING	580993	10	0.92	N.A.	N.A.	11.10
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT	599993	20	1.83	N.A.	N.A.	8.20
SERVICE OCCUPATIONS	600003	10	0.92	N.A.	N.A.	7.30
JANITORS & CLEANERS	670053	10	0.92	0.00	29.41	7.30
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING	800003	820	75.23	N.A.	N.A.	8.30

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 25 FURNITURE AND FIXTURES
BENCHMARK EMPLOYMENT: 1,080 TOTAL NUMBER OF RESPONDENTS: 17
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	70	6.42	N.A.	N.A.	$12.10
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	10	0.92	0.00	17.65	15.20
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	60	5.50	1.59	58.82	11.70
MECHANICS, INSTALLERS & REPAIRERS.....850003	10	0.92	N.A.	N.A.	9.00
MACHINERY MAINTENANCE MECHANICS.....851103	10	0.92	0.00	23.53	9.00
PRECISION METAL WORKERS.....891003	10	0.92	N.A.	N.A.	11.30
OTHER PRECISION METAL WORKERS.....891993	10	0.92	N.A.	N.A.	11.30
PRECISION WOODWORKERS.....893003	180	16.51	N.A.	N.A.	8.40
WOOD MACHINISTS.....893083	60	5.50	16.06	35.29	8.40
CABINETMAKERS & BENCH CARPENTERS.....893113	70	6.42	12.40	58.82	7.20
FURNITURE FINISHERS.....893143	50	4.59	6.14	64.71	7.50
PRECISION TEXTILE, APPAREL & FURNISHINGS WORKERS.....895003	20	1.83	N.A.	N.A.	7.20
UPHOLSTERERS.....895083	20	1.83	27.78	23.53	7.20
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS.....921003	40	3.67	N.A.	N.A.	8.80
ALL OTHER MACHINE SETTERS, METAL/PLASTIC.....921973	40	3.67	N.A.	N.A.	8.80
WOODWORKING MACHINE SETTERS, OPERATORS.....923003	80	7.34	N.A.	N.A.	7.50
WOODWORKING MACHINE OPERATORS, EXCEPT SAWING.....923143	80	7.34	1.72	41.18	7.50
OTHER TEXTILE & RELATED SETTERS & OPERATORS.....927993	20	1.83	N.A.	N.A.	6.10
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	50	4.59	N.A.	N.A.	7.90
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC.....929973	30	2.75	N.A.	N.A.	7.80
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	20	1.83	N.A.	N.A.	8.20
OTHER HAND WORKERS, NEC.....939003	250	22.94	N.A.	N.A.	7.50
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION.....939563	140	12.84	4.19	47.06	6.80
OTHER HAND WORKERS, NEC.....939993	110	10.09	N.A.	N.A.	8.50
MOTOR VEHICLE OPERATORS.....971003	20	1.83	N.A.	N.A.	8.40
OTHER MOTOR VEHICLE OPERATORS.....971993	20	1.83	N.A.	N.A.	8.40
MATERIAL MOVING EQUIPMENT OPERATORS.....979003	10	0.92	N.A.	N.A.	9.50
OTHER MATERIAL MOVING EQUIPMENT OPERATORS.....979893	10	0.92	N.A.	N.A.	9.50
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	50	4.59	N.A.	N.A.	6.70
HAND PACKERS & PACKAGERS.....989023	10	0.92	0.00	17.65	7.60
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	40	3.67	N.A.	N.A.	6.50
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	10	0.92	N.A.	N.A.	8.00

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

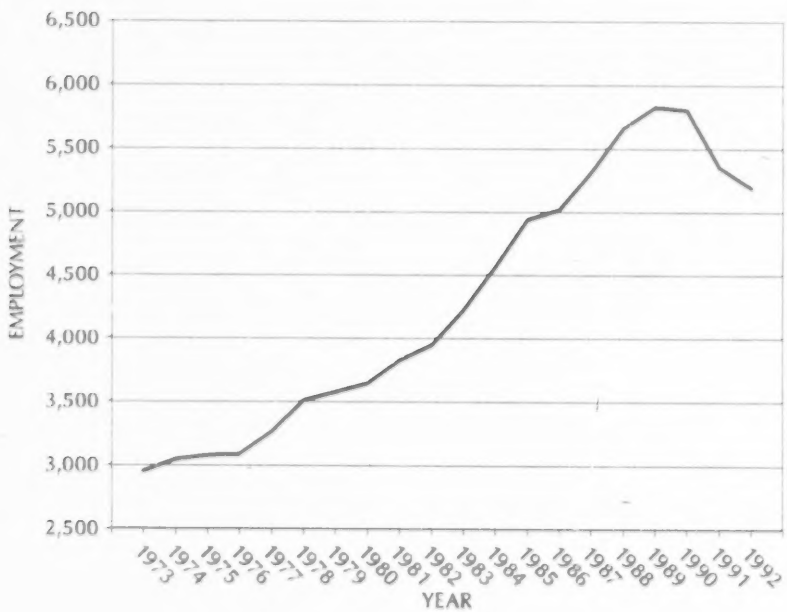
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES
SIC 27

This major industry group includes establishments engaged in printing by one or more common processes, such as letterpress; lithography (including offset), gravure, or screen; and those establishments which perform services for the printing trade, such as bookbinding and platemaking. This major group also includes establishments engaged in publishing newspapers, books, and periodicals, regardless of whether or not they do their own printing.

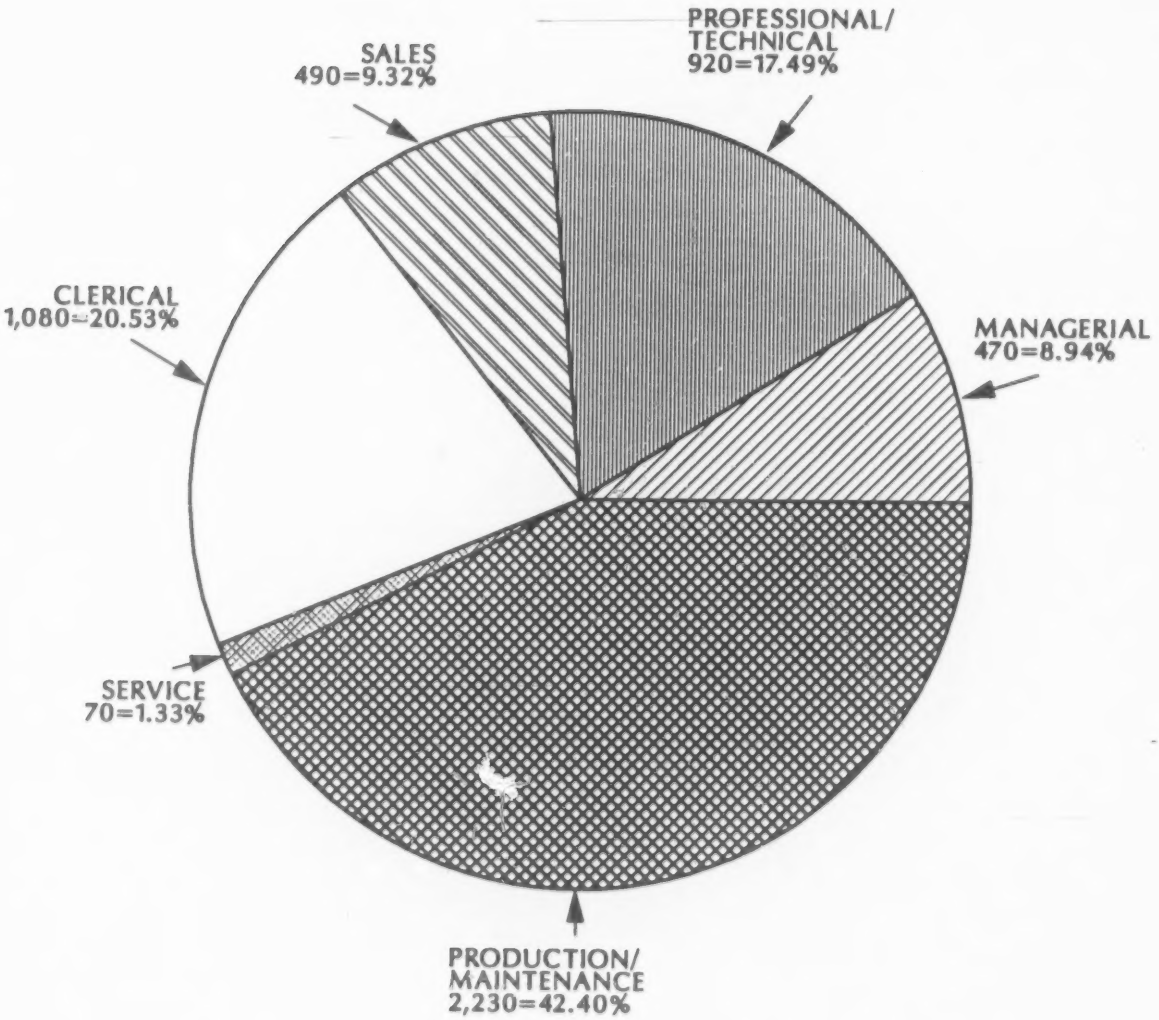
After showing strong steady employment growth for the 16-year period between 1973 and 1989, the only manufacturing industry in Maine that could claim this feat, employment has fallen significantly in recent years. From 1989 to 1992, employment dropped by 650 workers, or 11 percent, ending the period with 5,200 employees.

In 1992, total wages paid to employees in the printing, publishing, and allied industries equaled $120.6 million. The average annual wage per worker was $23,047. This average wage was 11.7 percent higher than the $20,624 annual average wage for this industry's workers in 1989.

ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT
IN PRINTING, PUBLISHING, AND ALLIED INDUSTRIES



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN PRINTING, PUBLISHING AND ALLIED INDUSTRIES



TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 27 PRINTING AND PUBLISHING
TOTAL NUMBER OF RESPONDENTS: 90
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
WRITERS & EDITORS.....340023	340	6.46	4.26	33.33
REPORTERS & CORRESPONDENTS.....340113	270	5.13	4.94	26.67
PRINTING PRESS MACHIN OPERATORS.....925433	240	4.56	4.49	36.67
GENERAL MANAGERS & TO EXECUTIVES.....190053	210	3.99	6.41	66.67
SALES AGENTS, ADVERTISING.....430233	210	3.99	6.96	31.11
MACHINE FEEDERS OFFBEARERS.....985023	180	3.42	0.00	5.56
PASTE-UP WORKERS.....897063	160	3.04	3.03	37.78
OFFSET LITHOGRAPHIC PRES SETTERS.....925123	160	3.04	5.05	17.78
HAND PACKERS & PACKAGERS.....989023	150	2.85	0.94	16.67
SALESPERSONS, EXCEP SCIENTIFIC & RETAIL.....490083	140	2.66	4.25	28.89
TOTAL	2,060	39.16		

TOP 11 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 27 PRINTING AND PUBLISHING
TOTAL NUMBER OF RESPONDENTS: 90
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	210	3.99	6.41	66.67
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	120	2.28	7.37	50.00
PASTE-UP WORKERS.....897063	160	3.04	3.03	37.78
PRINTING PRESS MACHIN OPERATORS.....925433	240	4.56	4.49	36.67
RECEPTIONISTS & INFORMATIO CLERKS.....553053	70	1.33	14.33	35.56
FIRST LINE SUPERVISORS CLERICAL & ADMINISTRATIVE.....510023	90	1.71	9.40	34.44
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	120	2.28	9.43	34.44
WRITERS & EDITORS.....340023	340	6.46	4.26	33.33
SALES AGENTS, ADVERTISING.....430233	210	3.99	6.96	31.11
GENERAL OFFICE CLERKS.....553473	90	1.71	9.16	30.00
CAMERA OPERATORS.....897133	60	1.14	8.09	30.00

MAINE
SIC 27 PRINTING AND PUBLISHING
BENCHMARK EMPLOYMENT: 5,170 TOTAL NUMBER OF RESPONDENTS: 90
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	5,260	100.00	N.A.	N.A.	$11.00
MANAGERIAL & ADMINISTRATIVE.....100003	470	8.94	N.A.	N.A.	19.80
FINANCIAL MANAGERS.....130023	40	0.76	0.00	23.33	25.10
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS.....130053	20	0.38	0.00	13.33	19.70
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS.....130113	90	1.71	9.75	28.89	17.90
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS.....130173	10	0.19	0.00	5.56	17.30
OTHER ADMINISTRATIVE MANAGERS.....130993	10	0.19	N.A.	N.A.	17.20
INDUSTRIAL PRODUCTION MANAGERS.....150143	50	0.95	8.00	24.44	18.30
GENERAL MANAGERS & TOP EXECUTIVES.....190053	210	3.99	6.41	66.67	20.20
ALL OTHER MANAGERS & ADMINISTRATORS.....199993	40	0.76	N.A.	N.A.	19.00
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	920	17.49	N.A.	N.A.	12.60
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS.....211003	10	0.19	N.A.	N.A.	14.30
ACCOUNTANTS & AUDITORS.....211143	10	0.19	0.00	8.89	14.30
PURCHASING AGENTS.....213083	10	0.19	0.00	4.44	10.30
PERSONNEL, TRAINING & LABOR RELATIONS SPECIALISTS.....215113	10	0.19	0.00	5.56	12.60
COST ESTIMATORS.....219023	20	0.38	0.00	13.33	12.50
ALL OTHER MANAGEMENT SUPPORT.....219993	10	0.19	N.A.	N.A.	14.60
COMPUTER SCIENTISTS & RELATED.....251003	40	0.76	N.A.	N.A.	15.10
SYSTEMS ANALYSTS.....251023	10	0.19	0.00	4.44	18.10
COMPUTER PROGRAMMERS.....251053	20	0.38	30.43	5.56	13.50
COMPUTER PROGRAMMER AIDES.....251083	10	0.19	0.00	3.33	13.70
LIBRARIANS, PROFESSIONAL.....315023	10	0.19	0.00	4.44	12.10
WRITERS & EDITORS.....340023	340	6.46	4.26	33.33	14.00
REPORTERS & CORRESPONDENTS.....340113	270	5.13	4.94	26.67	10.80
PHOTOGRAPHERS.....340233	40	0.76	2.38	12.22	11.70
ARTISTS & RELATED WORKERS.....340353	90	1.71	7.95	27.78	11.30
DESIGNERS, EXCEPT INTERIOR.....340383	40	0.76	21.95	11.11	11.80
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS.....399993	30	0.57	N.A.	N.A.	14.60
SALES & RELATED OCCUPATIONS.....400003	490	9.32	N.A.	N.A.	12.10
FIRST LINE SUPERVISORS, SALES & RELATED.....410023	60	1.14	3.51	17.78	15.60
SALES REPRESENTATIVES & SALESPERSONS, SERVICES.....430003	210	3.99	N.A.	N.A.	11.30
SALES AGENTS, ADVERTISING.....430233	210	3.99	6.96	31.11	11.30
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL.....490083	140	2.66	4.25	28.89	14.10

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 27 PRINTING AND PUBLISHING
BENCHMARK EMPLOYMENT: 5,170 TOTAL NUMBER OF RESPONDENTS: 90
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
NEWS, STREET VENDORS & PHONE SOLICITORS....490263	70	1.33	2.05	5.56	$ 7.40
ALL OTHER SALES & RELATED....499993	10	0.19	N.A.	N.A.	11.30
CLERICAL & ADMINISTRATIVE SUPPORT....500003	1,080	20.53	N.A.	N.A.	8.60
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE....510023	90	1.71	9.40	34.44	10.80
ADJUSTMENT CLERKS....531233	40	0.76	0.00	11.11	9.70
ADVERTISING CLERKS....539083	100	1.90	3.13	15.56	8.50
PROOFREADERS & COPY MARKERS....539113	60	1.14	9.12	23.33	7.90
SECRETARIES, EXCEPT LEGAL & MEDICAL....551083	70	1.33	6.75	23.33	9.80
RECEPTIONISTS & INFORMATION CLERKS....553053	70	1.33	14.33	35.56	8.90
TYPISTS, INCLUDING WORD PROCESSING....553073	70	1.33	17.81	16.67	7.80
PERSONNEL CLERKS, EXCEPT PAYROLL & TIMEKEEPING....553143	10	0.19	0.00	5.56	9.30
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE....553233	50	0.95	8.00	13.33	7.60
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS....553383	120	2.28	7.37	50.00	9.10
PAYROLL & TIMEKEEPING CLERKS....553413	10	0.19	0.00	5.56	10.30
BILLING, COST & RATE CLERKS....553443	10	0.19	0.00	6.67	8.90
GENERAL OFFICE CLERKS....553473	90	1.71	9.16	30.00	7.50
OFFICE MACHINE OPERATORS, DATA PROCESSORS....560003	100	1.90	N.A.	N.A.	8.40
OPERATORS, BILLING/POSTING/ CALCULATING MACHINES....560023	10	0.19	0.00	4.44	11.30
MAIL MACHINE OPERATORS, PREPARATION & HANDLING....560083	30	0.57	13.48	8.89	7.30
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT....560113	10	0.19	0.00	4.44	10.30
DATA ENTRY KEYERS, EXCEPT COMPOSING....560173	10	0.19	0.00	6.67	8.20
DATA KEYERS, COMPOSING....560213	40	0.76	11.14	12.22	8.50
SWITCHBOARD OPERATORS....571023	30	0.57	0.00	10.00	8.60
MAIL CLERKS, EXCEPT MACHINE OPERATORS....573023	40	0.76	18.00	8.89	6.80
MESSENGERS....573113	10	0.19	0.00	3.33	10.80
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING....580003	80	1.52	N.A.	N.A.	8.50
PRODUCTION, PLANNING & EXPEDITING CLERKS....580083	10	0.19	0.00	10.00	10.90
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD....580233	10	0.19	0.00	6.67	9.60
TRAFFIC, SHIPPING, & RECEIVING CLERKS....580283	50	0.95	8.49	21.11	7.80
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING....580993	10	0.19	N.A.	N.A.	6.80
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT....599993	30	0.57	N.A.	N.A.	9.70
SERVICE OCCUPATIONS....600003	70	1.33	N.A.	N.A.	7.60
JANITORS & CLEANERS....670053	60	1.14	3.15	20.00	7.60
ALL OTHER SERVICE WORKERS....699993	10	0.19	N.A.	N.A.	7.70
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING....800003	2,230	42.40	N.A.	N.A.	9.40

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 27 PRINTING AND PUBLISHING
BENCHMARK EMPLOYMENT: 5,170 TOTAL NUMBER OF RESPONDENTS: 90
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	160	3.04	N.A.	N.A.	$14.00
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	20	0.38	0.00	3.33	17.90
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	120	2.28	9.43	34.44	13.40
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	20	0.38	N.A.	N.A.	14.40
OTHER INSPECTORS, TESTERS & RELATED WORKERS.....830993	10	0.19	N.A.	N.A.	9.30
MECHANICS, INSTALLERS & REPAIRERS.....850003	30	0.57	N.A.	N.A.	9.80
MACHINERY MAINTENANCE MECHANICS.....851103	10	0.19	0.00	3.33	11.50
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	20	0.38	13.15	10.00	8.60
OTHER CONSTRUCTION & EXTRACTIVE, EXCEPT HELPERS.....879993	10	0.19	N.A.	N.A.	9.60
PRECISION PRINTING WORKERS.....897003	550	10.46	N.A.	N.A.	10.00
HAND COMPOSITORS & TYPESETTERS.....897023	40	0.76	23.24	10.00	10.50
JOB PRINTERS.....897053	50	0.95	19.80	13.33	8.90
PASTE-UP WORKERS.....897063	160	3.04	3.03	37.78	9.90
ELECTRONIC PAGINATION SYSTEM OPERATORS.....897073	80	1.52	15.33	22.22	10.40
PHOTOENGRAVERS.....897123	10	0.19	0.00	5.56	8.20
CAMERA OPERATORS.....897133	60	1.14	8.09	30.00	9.10
SCANNER OPERATORS.....897153	10	0.19	0.00	6.67	13.20
STRIPPERS.....897173	90	1.71	4.40	25.56	11.00
PLATEMAKERS.....897183	40	0.76	5.83	17.78	9.10
OTHER PRECISION PRINTING WORKERS.....897993	10	0.19	N.A.	N.A.	8.70
PRINTING, BINDING & RELATED.....925003	730	13.88	N.A.	N.A.	10.20
OFFSET LITHOGRAPHIC PRESS SETTERS.....925123	160	3.04	5.05	17.78	10.50
LETTERPRESS SETTERS.....925153	50	0.95	10.20	5.56	11.30
OTHER PRINTING PRESS SETTERS.....925193	20	0.38	N.A.	N.A.	15.50
SCREEN PRINTING MACHINE SETTERS.....925243	20	0.38	45.07	3.33	8.70
BINDERY MACHINE SETTERS.....925253	50	0.95	8.41	12.22	8.10
TYPESETTING & COMPOSING MACHINE OPERATORS.....925413	70	1.33	13.75	17.78	9.80
PRINTING PRESS MACHINE OPERATORS.....925433	240	4.56	4.49	36.67	10.50
BINDERY MACHINE OPERATORS.....925463	120	2.28	4.56	22.22	9.00
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	200	3.80	N.A.	N.A.	7.00
CUTTING & SLICING MACHINE OPERATORS.....929443	30	0.57	7.41	12.22	9.10
PACKAGING & FILLING MACHINE OPERATORS.....929743	120	2.28	0.00	5.56	6.00
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC.....929973	10	0.19	N.A.	N.A.	9.30
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	40	0.76	N.A.	N.A.	7.90
OTHER HAND WORKERS, NEC.....939003	20	0.38	N.A.	N.A.	6.30
OTHER HAND WORKERS, NEC.....939993	20	0.38	N.A.	N.A.	6.30
MOTOR VEHICLE OPERATORS.....971003	140	2.66	N.A.	N.A.	6.60

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 27 PRINTING AND PUBLISHING
BENCHMARK EMPLOYMENT: 5,170 TOTAL NUMBER OF RESPONDENTS: 90
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TRUCK DRIVERS-LIGHT, INCLUDE DELIVERY/ROUTE WORKERS.....971053	100	1.90	17.83	22.22	$ 6.20
DRIVER/SALES WORKERS.....971173	40	0.76	7.89	8.89	7.60
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	380	7.22	N.A.	N.A.	7.50
MACHINE FEEDERS & OFFBEARERS.....985023	180	3.42	0.00	5.56	9.40
FREIGHT, STOCK & MATERIAL MOVERS, HAND.....987003	20	0.38	N.A.	N.A.	8.00
HAND PACKERS & PACKAGERS.....989023	150	2.85	0.94	16.67	5.40
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	30	0.57	N.A.	N.A.	6.60

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

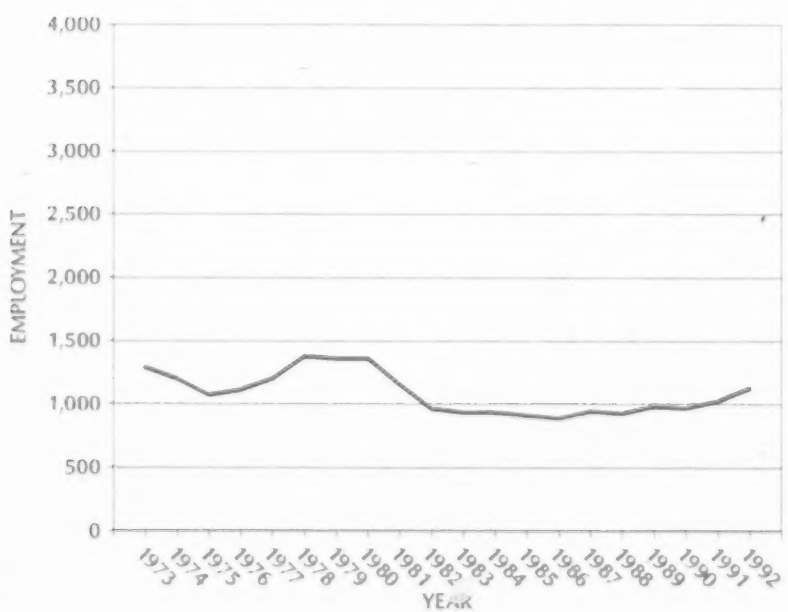
CHEMICALS AND ALLIED PRODUCTS
SIC 28

This major industry group includes establishments producing basic chemicals, and establishments manufacturing products by predominantly chemical processes. Establishments classified in this major group manufacture three general classes of products: (1) basic chemicals, such as acids, alkalies, salts, and organic chemicals; (2) chemical products to be used in further manufacture, such as synthetic fibers, plastics materials, dry colors, and pigments; and (3) finished chemical products to be used for ultimate consumption, such as drugs, cosmetics, and soaps; or to be used as materials or supplies in other industries, such as paints, fertilizers and explosives.

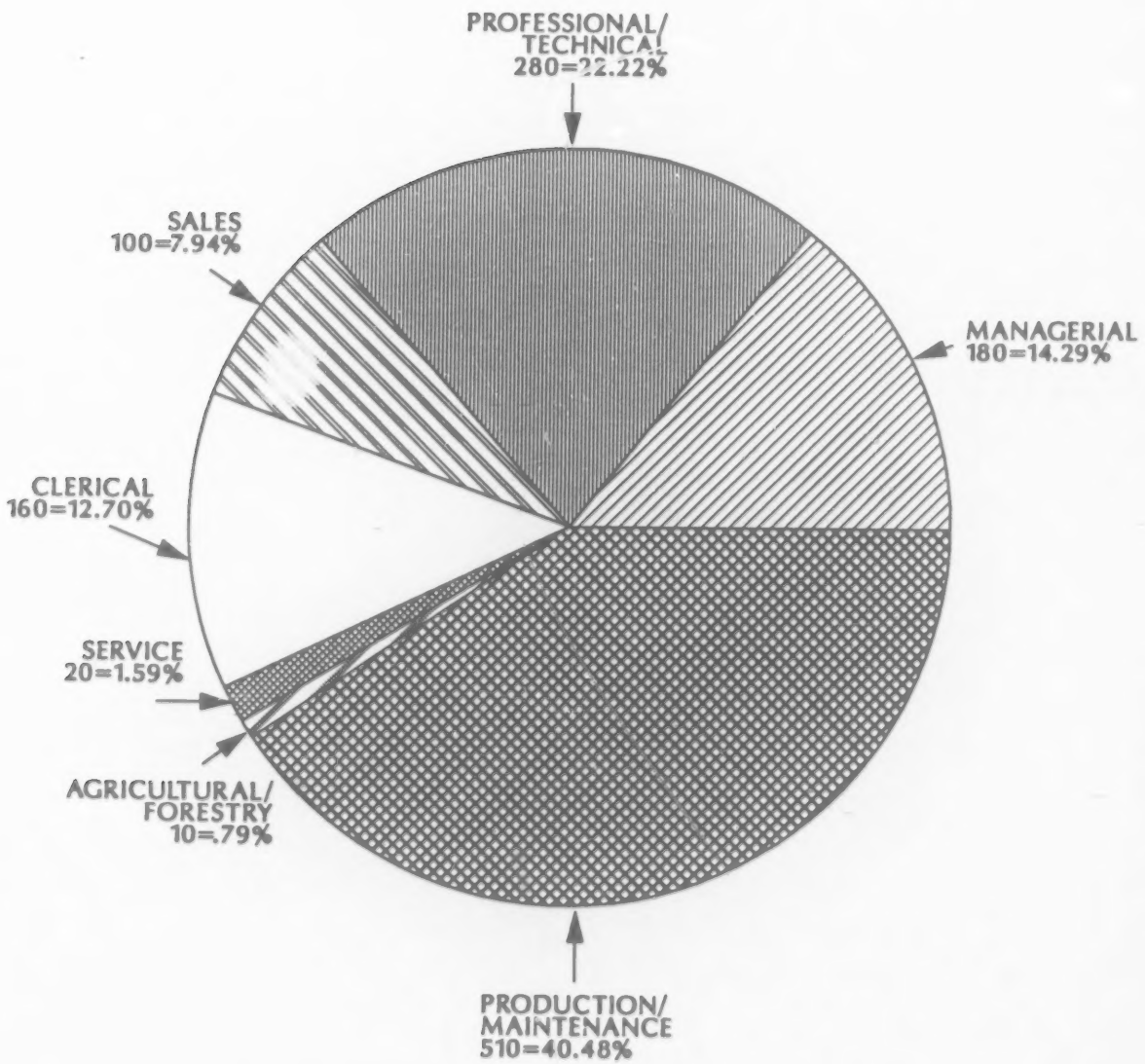
Since 1982, employment has remained fairly steady in this industry, hovering around 900 employees, but ending the period at a 10-year high of 1,100 workers. This high, however, is still lower than reported employment during most of the 8-year period from 1973 to 1981.

In 1992, total wages paid to employees in the chemical and allied products industry equaled $36.8 million. The average annual wage per worker was $32,186. This average wage was 23.5 percent higher than the $26,065 annual average wage for this industry's workers in 1989.

ANNUAL AVERAGE WAGE AND SALARY
EMPLOYMENT IN CHEMICALS AND ALLIED PRODUCTS



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN CHEMICALS AND ALLIED PRODUCTS



TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 28 CHEMICALS AND ALLIED PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 21
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	90	7.14	0.00	14.29
CRUSHING/GRINDING/MIXING BLENDING MACHINE OPERATORS.....929653	60	4.76	0.00	14.29
BIOLOGICAL/AGRICULTURAL/FOO TECHNICIANS & TECHNOLOGISTS.....245023	50	3.97	0.00	23.81
SALESPERSONS, SCIENTIFI PRODUCTS & SERVICES.....490053	50	3.97	0.00	52.38
MAINTENANCE REPAIRERS GENERAL UTILITY.....851323	50	3.97	0.00	42.86
GENERAL MANAGERS & TO EXECUTIVES.....190053	40	3.17	0.00	71.43
CHEMISTS, EXCEPT BIOCHEMISTS.....241053	40	3.17	0.00	33.33
BIOLOGICAL SCIENTISTS.....243083	40	3.17	0.00	23.81
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	40	3.17	0.00	52.38
PACKAGING & FILLING MACHIN OPERATORS.....929743	40	3.17	0.00	28.57
TOTAL	500	39.68		

TOP 11 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 28 CHEMICALS AND ALLIED PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 21
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	40	3.17	0.00	71.43
SECRETARIES, EXCEPT LEGA & MEDICAL.....551083	30	2.38	0.00	57.14
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	20	1.59	0.00	57.14
INDUSTRIAL PRODUCTIO MANAGERS.....150143	30	2.38	0.00	52.38
SALESPERSONS, SCIENTIFI PRODUCTS & SERVICES.....490053	50	3.97	0.00	52.38
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	40	3.17	0.00	52.38
FIRST LINE SUPERVISORS CLERICAL & ADMINISTRATIVE.....510023	20	1.59	0.00	42.86
MAINTENANCE REPAIRERS GENERAL UTILITY.....851323	50	3.97	0.00	42.86
FINANCIAL MANAGERS.....130023	20	1.59	0.00	38.10
MARKETING/ADVERTISING/PUBLI RELATIONS MANAGERS.....130113	20	1.59	0.00	38.10
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	20	1.59	0.00	38.10

MAINE
SIC 28 CHEMICALS AND ALLIED PRODUCTS
BENCHMARK EMPLOYMENT: 1,220 TOTAL NUMBER OF RESPONDENTS: 21
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	1,260	100.00	N.A.	N.A.	$14.00
MANAGERIAL & ADMINISTRATIVE.....100003	180	14.29	N.A.	N.A.	25.50
FINANCIAL MANAGERS.....130023	20	1.59	0.00	38.10	23.70
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS.....130053	10	0.79	0.00	23.81	19.00
PURCHASING MANAGERS.....130083	10	0.79	0.00	23.81	22.80
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS.....130113	20	1.59	0.00	38.10	23.00
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS.....130173	20	1.59	0.00	28.57	30.20
INDUSTRIAL PRODUCTION MANAGERS.....150143	30	2.38	0.00	52.38	24.50
GENERAL MANAGERS & TOP EXECUTIVES.....190053	40	3.17	0.00	71.43	29.40
ALL OTHER MANAGERS & ADMINISTRATORS.....199993	30	2.38	N.A.	N.A.	23.00
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	280	22.22	N.A.	N.A.	14.40
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS.....211003	10	0.79	N.A.	N.A.	14.10
ACCOUNTANTS & AUDITORS.....211143	10	0.79	0.00	19.05	14.10
PURCHASING AGENTS.....213083	10	0.79	0.00	23.81	11.30
ALL OTHER MANAGEMENT SUPPORT.....219993	10	0.79	N.A.	N.A.	13.70
ENGINEERS.....221003	20	1.59	N.A.	N.A.	19.70
CHEMICAL ENGINEERS.....221143	10	0.79	0.00	14.29	20.50
ALL OTHER ENGINEERS.....221993	10	0.79	N.A.	N.A.	19.20
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....225003	30	2.38	N.A.	N.A.	13.00
OTHER ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....225993	30	2.38	N.A.	N.A.	13.00
PHYSICAL SCIENTISTS.....241003	40	3.17	N.A.	N.A.	15.70
CHEMISTS, EXCEPT BIOCHEMISTS.....241053	40	3.17	0.00	33.33	15.70
LIFE SCIENTISTS.....243003	40	3.17	N.A.	N.A.	21.00
BIOLOGICAL SCIENTISTS.....243083	40	3.17	0.00	23.81	21.00
PHYSICAL & LIFE SCIENCE TECHNICIANS & TECHNOLOGISTS.....245003	100	7.94	N.A.	N.A.	10.80
BIOLOGICAL/AGRICULTURAL/FOOD TECHNICIANS & TECHNOLOGISTS.....245023	50	3.97	0.00	23.81	12.30
CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXCEPT HEALTH.....245053	30	2.38	0.00	19.05	8.80
OTHER PHYSICAL & LIFE SCIENCE TECHNICIANS & TECHNOLOGISTS.....245993	20	1.59	N.A.	N.A.	9.90
COMPUTER SCIENTISTS & RELATED.....251003	10	0.79	N.A.	N.A.	21.10
OTHER COMPUTER SCIENTISTS & RELATED.....251993	10	0.79	N.A.	N.A.	21.10
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS.....399993	10	0.79	N.A.	N.A.	N.A.
SALES & RELATED OCCUPATIONS.....400003	100	7.94	N.A.	N.A.	18.20
FIRST LINE SUPERVISORS, SALES & RELATED.....410023	10	0.79	0.00	23.81	21.70

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 28 CHEMICALS AND ALLIED PRODUCTS
BENCHMARK EMPLOYMENT: 1,220 TOTAL NUMBER OF RESPONDENTS: 21
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
SALESPERSONS, SCIENTIFIC PRODUCTS & SERVICES.....490053	50	3.97	0.00	52.38	$19.50
ALL OTHER SALES & RELATED.....499993	40	3.17	N.A.	N.A.	15.70
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	160	12.70	N.A.	N.A.	10.20
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	20	1.59	0.00	42.86	12.10
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	30	2.38	0.00	57.14	10.90
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE.....553233	10	0.79	0.00	14.29	9.90
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	20	1.59	0.00	57.14	9.10
GENERAL OFFICE CLERKS.....553473	10	0.79	0.00	23.81	7.90
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	40	3.17	N.A.	N.A.	9.40
PRODUCTION, PLANNING & EXPEDITING CLERKS.....580083	10	0.79	0.00	19.05	10.80
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	10	0.79	0.00	33.33	9.70
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	20	1.59	0.00	38.10	8.50
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	30	2.38	N.A.	N.A.	11.20
SERVICE OCCUPATIONS.....600003	20	1.59	N.A.	N.A.	9.40
JANITORS & CLEANERS.....670053	10	0.79	0.00	33.33	7.10
ALL OTHER SERVICE WORKERS.....699993	10	0.79	N.A.	N.A.	10.90
AGRICULTURAL, FORESTRY, FISHING & RELATED.....700003	10	0.79	N.A.	N.A.	10.20
ALL OTHER AGRICULTURAL, FORESTRY & FISHING WORKERS.....799993	10	0.79	N.A.	N.A.	10.20
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	510	40.48	N.A.	N.A.	10.40
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	60	4.76	N.A.	N.A.	15.80
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	40	3.17	0.00	52.38	14.30
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	20	1.59	N.A.	N.A.	18.20
MECHANICS, INSTALLERS & REPAIRERS.....850003	70	5.56	N.A.	N.A.	12.20
OTHER MACHINERY MAINTENANCE MECHANICS.....851193	10	0.79	N.A.	N.A.	10.60
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	50	3.97	0.00	42.86	12.50
OTHER MOBILE EQUIPMENT MECHANICS/INSTALL/REPAIR.....853993	10	0.79	N.A.	N.A.	12.60
OTHER TEXTILE & RELATED SETTERS & OPERATORS.....927993	50	3.97	N.A.	N.A.	7.30
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	160	12.70	N.A.	N.A.	9.70
CHEMICAL EQUIPMENT CONTROLLERS & OPERATORS.....929353	30	2.38	0.00	19.05	12.20
CRUSHING/GRINDING/MIXING/ BLENDING MACHINE OPERATORS.....929653	60	4.76	0.00	14.29	11.00
PACKAGING & FILLING MACHINE OPERATORS.....929743	40	3.17	0.00	28.57	7.10
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC.....929973	10	0.79	N.A.	N.A.	7.80
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	20	1.59	N.A.	N.A.	7.90

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 28 CHEMICALS AND ALLIED PRODUCTS
BENCHMARK EMPLOYMENT: 1,220 TOTAL NUMBER OF RESPONDENTS: 21
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
OTHER HAND WORKERS, NEC.....939003	90	7.14	N.A.	N.A.	$ 7.00
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION.....939563	90	7.14	0.00	14.29	7.00
PLANT & SYSTEM WORKERS.....950003	20	1.59	N.A.	N.A.	12.20
OTHER PLANT & SYSTEM OPERATORS.....950993	20	1.59	N.A.	N.A.	12.20
MOTOR VEHICLE OPERATORS.....971003	20	1.59	N.A.	N.A.	19.70
OTHER MOTOR VEHICLE OPERATORS.....971993	20	1.59	N.A.	N.A.	19.70
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	30	2.38	N.A.	N.A.	6.20
HAND PACKERS & PACKAGERS.....989023	20	1.59	0.00	14.29	5.40
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	10	0.79	N.A.	N.A.	8.10
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	10	0.79	N.A.	N.A.	11.20

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

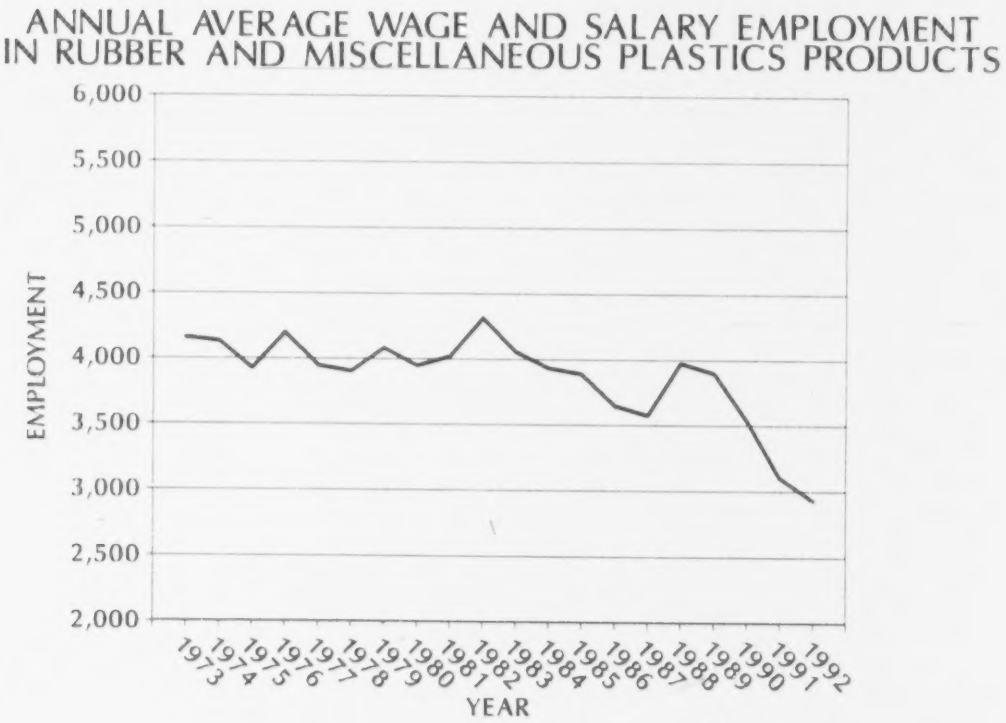
Data for confidential occupations has been combined with the appropriate "All Other" categories.

RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS
SIC 30

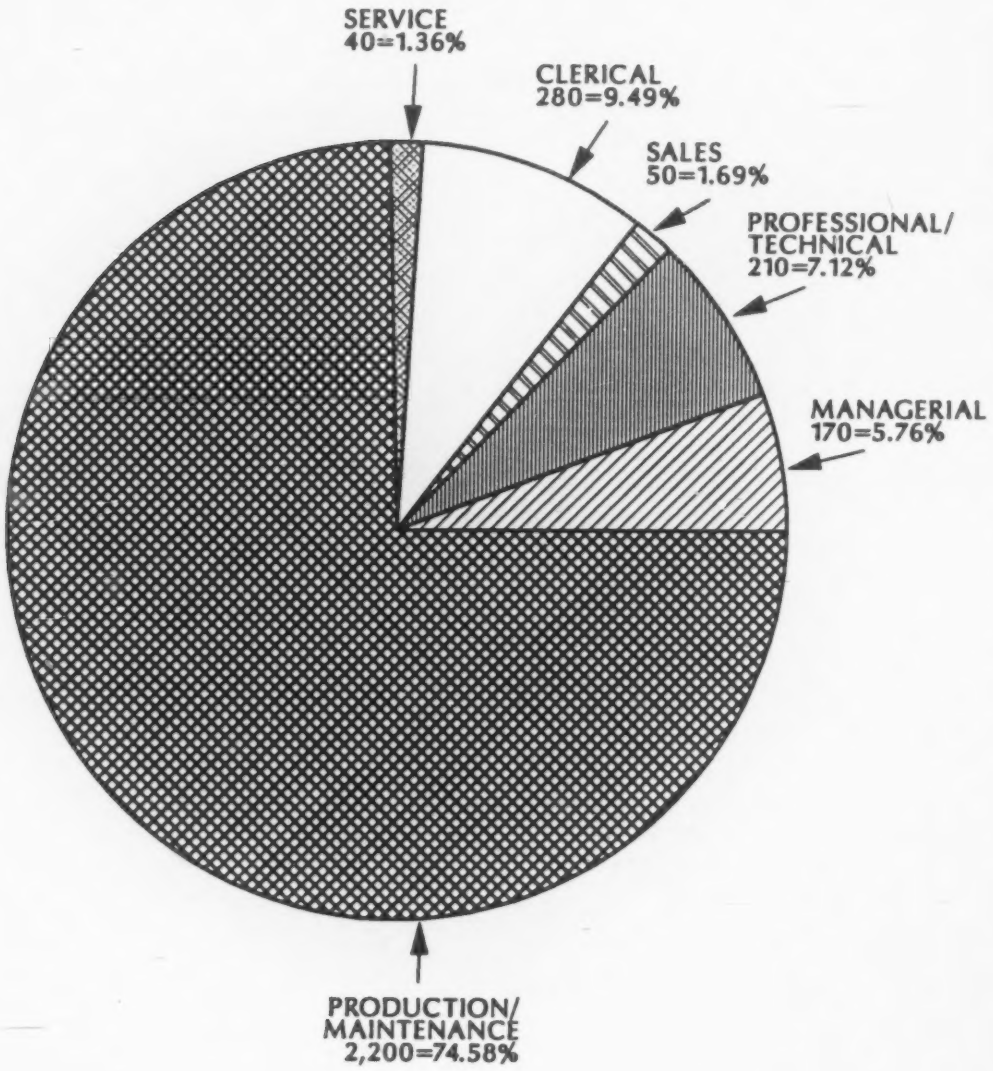
This major industry group includes establishments manufacturing products, not elsewhere classified from plastics resins and from natural, synthetic, or reclaimed rubber, gutta percha, balata, or gutta siak.

In 1973 there were 4,150 workers employed in this industry, but by 1992, employment had dropped to 2,900. This reflects an overall employment loss of 30 percent. Two periods of sharp employment declines came between 1982 and 1987, and 1989 and 1992, when employment fell by 17 and 26 percent, respectively.

In 1992, total wages paid to employees in the rubber and miscellaneous plastics products industry equaled $73.7 million. The average annual wage per worker was $25,433. This average wage was 22.6 percent higher than the $20,737 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS, EXCEPT RUBBER AND PLASTICS FOOTWEAR



TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 30 RUBBER AND MISC. PLASTICS PRODUCTS (EXCEPT SIC 302 - RUBBER AND PLASTICS FOOTWEAR)
TOTAL NUMBER OF RESPONDENTS: 25
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
HAND PACKERS & PACKAGERS.....989023	220	7.46	2.28	40.00
PLASTIC MOLDING/CASTIN MACHINE OPERATORS.....919053	160	5.42	2.42	36.00
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	110	3.73	3.79	72.00
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	70	2.37	2.55	40.00
EXTRUDING/DRAWING MACHIN SETTERS, METAL/PLASTIC.....913113	70	2.37	0.00	12.00
EXTRUDING/FORMING/PRESSING COMPACTING MACHINE OPERATORS.....929713	70	2.37	0.00	16.00
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	70	2.37	24.97	16.00
PLASTIC MOLDING/CASTIN MACHINE SETTERS & OPERATORS.....919023	60	2.03	6.88	20.00
CUTTERS & TRIMMERS, HAND.....939263	60	2.03	0.00	16.00
INDUSTRIAL PRODUCTIO MANAGERS.....150143	50	1.69	3.07	56.00
TOTAL	940	31.86		

TOP 11 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 30 RUBBER AND MISC. PLASTICS PRODUCTS (EXCEPT SIC 302 - RUBBER AND PLASTICS FOOTWEAR)
TOTAL NUMBER OF RESPONDENTS: 25
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	110	3.73	3.79	72.00
GENERAL MANAGERS & TO EXECUTIVES.....190053	40	1.36	11.70	68.00
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	40	1.36	3.72	64.00
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	40	1.36	2.22	64.00
INDUSTRIAL PRODUCTIO MANAGERS.....150143	50	1.69	3.07	56.00
JANITORS & CLEANERS.....670053	30	1.02	5.44	44.00
SECRETARIES, EXCEPT LEGA & MEDICAL.....551083	30	1.02	8.82	40.00
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	70	2.37	2.55	40.00
HAND PACKERS & PACKAGERS.....989023	220	7.46	2.28	40.00
FINANCIAL MANAGERS.....130023	20	0.68	0.00	36.00
PLASTIC MOLDING/CASTIN MACHINE OPERATORS.....919053	160	5.42	2.42	36.00

MAINE
SIC 30 RUBBER AND MISC. PLASTICS PRODUCTS (EXCEPT SIC 302 - RUBBER AND PLASTICS FOOTWEAR)
BENCHMARK EMPLOYMENT: 2,880 TOTAL NUMBER OF RESPONDENTS: 25
REFERENCE DATE : June 12, 1992

OCCUPATION		EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL	000000	2,950	100.00	N.A.	N.A.	$11.30
MANAGERIAL & ADMINISTRATIVE	100003	170	5.76	N.A.	N.A.	25.40
FINANCIAL MANAGERS	130023	20	0.68	0.00	36.00	28.90
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS	130053	10	0.34	0.00	24.00	23.60
PURCHASING MANAGERS	130083	10	0.34	0.00	24.00	19.40
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS	130113	10	0.34	14.29	24.00	24.90
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS	130173	10	0.34	0.00	24.00	26.20
INDUSTRIAL PRODUCTION MANAGERS	150143	50	1.69	3.07	56.00	21.90
GENERAL MANAGERS & TOP EXECUTIVES	190053	40	1.36	11.70	68.00	30.80
ALL OTHER MANAGERS & ADMINISTRATORS	199993	20	0.68	N.A.	N.A.	22.00
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS	200003	210	7.12	N.A.	N.A.	17.20
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS	211003	30	1.02	N.A.	N.A.	15.30
ACCOUNTANTS & AUDITORS	211143	20	0.68	5.25	28.00	15.00
OTHER FINANCIAL SPECIALISTS	211993	10	0.34	N.A.	N.A.	16.00
PURCHASING AGENTS	213083	10	0.34	0.00	20.00	15.80
PERSONNEL, TRAINING & LABOR RELATIONS SPECIALISTS	215113	10	0.34	0.00	12.00	19.40
ALL OTHER MANAGEMENT SUPPORT	219993	10	0.34	N.A.	N.A.	14.50
ENGINEERS	221003	60	2.03	N.A.	N.A.	20.10
CHEMICAL ENGINEERS	221143	10	0.34	0.00	12.00	17.60
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	221283	10	0.34	14.29	16.00	20.40
MECHANICAL ENGINEERS	221353	10	0.34	0.00	16.00	19.10
ALL OTHER ENGINEERS	221993	30	1.02	N.A.	N.A.	20.90
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225003	20	0.68	N.A.	N.A.	15.20
DRAFTERS	225143	10	0.34	0.00	12.00	12.60
OTHER ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225993	10	0.34	N.A.	N.A.	17.20
PHYSICAL & LIFE SCIENCE TECHNICIANS & TECHNOLOGISTS	245003	20	0.68	N.A.	N.A.	14.40
CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXCEPT HEALTH	245053	10	0.34	0.00	16.00	16.10
OTHER PHYSICAL & LIFE SCIENCE TECHNICIANS & TECHNOLOGISTS	245993	10	0.34	N.A.	N.A.	11.30
ALL OTHER NATURAL SCIENTISTS & RELATED WORKERS	249993	10	0.34	N.A.	N.A.	21.80
COMPUTER SCIENTISTS & RELATED	251003	30	1.02	N.A.	N.A.	16.80
SYSTEMS ANALYSTS	251023	10	0.34	0.00	12.00	16.70
COMPUTER PROGRAMMERS	251053	10	0.34	0.00	16.00	14.60
OTHER COMPUTER SCIENTISTS & RELATED	251993	10	0.34	N.A.	N.A.	18.50
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS	399993	10	0.34	N.A.	N.A.	13.50

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 30 RUBBER AND MISC. PLASTICS PRODUCTS (EXCEPT SIC 302 - RUBBER AND PLASTICS FOOTWEAR)
BENCHMARK EMPLOYMENT: 2,880 TOTAL NUMBER OF RESPONDENTS: 25
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
SALES & RELATED OCCUPATIONS.....400003	50	1.69	N.A.	N.A.	$18.00
SALESPERSONS, SCIENTIFIC PRODUCTS & SERVICES.....490053	10	0.34	0.00	16.00	22.50
SALESPERSONS, EXCEPT SCIENIIFIC & RETAIL.....490083	20	0.68	0.00	12.00	19.70
ALL OTHER SALES & RELATED.....499993	20	0.68	N.A.	N.A.	12.40
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	280	9.49	N.A.	N.A.	10.40
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	10	0.34	0.00	28.00	14.20
ADJUSTMENT CLERKS.....531233	10	0.34	0.00	16.00	11.90
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	30	1.02	8.82	40.00	10.40
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE.....553233	10	0.34	0.00	12.00	10.10
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	40	1.36	3.72	64.00	10.10
PAYROLL & TIMEKEEPING CLERKS.....553413	10	0.34	0.00	20.00	10.10
BILLING, COST & RATE CLERKS.....553443	10	0.34	0.00	12.00	11.50
GENERAL OFFICE CLERKS.....553473	20	0.68	0.00	32.00	9.70
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	10	0.34	N.A.	N.A.	9.90
OTHER OFFICE MACHINE OPERATORS.....560993	10	0.34	N.A.	N.A.	9.90
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	110	3.73	N.A.	N.A.	10.40
PRODUCTION, PLANNING & EXPEDITING CLERKS.....580083	20	0.68	0.00	20.00	12.90
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	20	0.68	0.00	28.00	10.70
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	40	1.36	2.22	64.00	9.70
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING.....580993	30	1.02	N.A.	N.A.	9.80
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	20	0.68	N.A.	N.A.	8.50
SERVICE OCCUPATIONS.....600003	40	1.36	N.A.	N.A.	9.00
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SERVICE.....610003	10	0.34	N.A.	N.A.	13.10
JANITORS & CLEANERS.....670053	30	1.02	5.44	44.00	7.20
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	2,200	74.58	N.A.	N.A.	9.80
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	150	5.08	N.A.	N.A.	14.70
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	20	0.68	0.00	24.00	16.10
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	110	3.73	3.79	72.00	14.70
FIRST LINE SUPERVISORS, TRANSPORT/MOVING MACHINES.....810113	10	0.34	0.00	12.00	16.80
FIRST LINE SUPERVISORS, HELPERS/LABORERS/MOVERS-HAND.....810173	10	0.34	0.00	20.00	11.60
PRECISION INSPECTORS, TESTERS & GRADERS.....830023	20	0.68	5.88	16.00	12.70
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	70	2.37	2.55	40.00	9.10
MECHANICS, INSTALLERS & REPAIRERS.....850003	100	3.39	N.A.	N.A.	12.40

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 30 RUBBER AND MISC. PLASTICS PRODUCTS (EXCEPT SIC 302 - RUBBER AND PLASTICS FOOTWEAR)
BENCHMARK EMPLOYMENT: 2,880 TOTAL NUMBER OF RESPONDENTS: 25
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
MACHINERY MAINTENANCE MECHANICS.....851103	70	2.37	0.00	40.00	$12.60
MACHINERY MAINTENANCE WORKERS.....851283	10	0.34	0.00	12.00	12.10
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	10	0.34	7.69	20.00	11.00
OTHER MECHANICS, INSTALLERS & REPAIRERS.....859993	10	0.34	N.A.	N.A.	13.60
CONSTRUCTION TRADE WORKERS, EXCEPT MATERIAL MOVING.....870003	30	1.02	N.A.	N.A.	14.20
ELECTRICIANS.....872023	20	0.68	0.00	20.00	14.40
PLUMBERS, PIPEFITTERS & STEAMFITTERS.....875023	10	0.34	0.00	12.00	13.40
PRECISION METAL WORKERS.....891003	70	2.37	N.A.	N.A.	12.40
MACHINISTS.....891083	40	1.36	5.26	32.00	12.20
OTHER PRECISION METAL WORKERS.....891993	30	1.02	N.A.	N.A.	12.60
PRECISION WORKERS, NEC.....899003	10	0.34	N.A.	N.A.	11.00
OTHER PRECISION WORKERS, NEC.....899993	10	0.34	N.A.	N.A.	11.00
MACHINE FORMING SETTERS, OPERATORS, METAL/PLASTIC.....913003	120	4.07	N.A.	N.A.	10.50
SHEAR & SLITTER MACHINE SETTERS, METAL/PLASTIC.....913083	20	0.68	0.00	12.00	10.50
EXTRUDING/DRAWING MACHINE SETTERS, METAL/PLASTIC.....913113	70	2.37	0.00	12.00	11.50
MACHINE FORMING OPERATORS.....913213	30	1.02	4.88	16.00	8.10
METAL & PLASTIC PROCESSING MACHINE SETTERS & OPERATORS.....919003	220	7.46	N.A.	N.A.	8.20
PLASTIC MOLDING/CASTING MACHINE SETTERS & OPERATORS.....919023	60	2.03	6.88	20.00	9.30
PLASTIC MOLDING/CASTING MACHINE OPERATORS.....919053	160	5.42	2.42	36.00	7.70
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS.....921003	150	5.08	N.A.	N.A.	9.20
ALL OTHER MACHINE SETTERS, METAL/PLASTIC.....921973	10	0.34	N.A.	N.A.	10.10
ALL OTHER MACHINE OPERATORS, METAL/PLASTIC.....921983	140	4.75	N.A.	N.A.	9.10
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	400	13.56	N.A.	N.A.	9.30
CUTTING & SLICING MACHINE OPERATORS.....929443	30	1.02	7.21	16.00	8.70
COATING, PAINTING & SPRAYING MACHINE OPERATORS.....929533	10	0.34	16.67	16.00	7.30
CEMENTING & GLUING MACHINE OPERATORS.....929563	30	1.02	0.00	20.00	8.50
CRUSHING/GRINDING/MIXING/ BLENDING MACHINE OPERATORS.....929653	30	1.02	3.03	28.00	9.20
EXTRUDING/FORMING/PRESSING/ COMPACTING MACHINE SETTERS.....929683	30	1.02	0.00	20.00	8.60
EXTRUDING/FORMING/PRESSING/ COMPACTING MACHINE OPERATORS.....929713	70	2.37	0.00	16.00	8.80
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC.....929973	10	0.34	N.A.	N.A.	8.90
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	190	6.44	N.A.	N.A.	10.00
OTHER HAND WORKERS, NEC.....939003	210	7.12	N.A.	N.A.	8.30
WELDERS & CUTTERS.....939143	10	0.34	0.00	12.00	11.40
CUTTERS & TRIMMERS, HAND.....939263	60	2.03	0.00	16.00	7.90
PAINTING, COATING & DECORATING WORKERS, HAND.....939473	20	0.68	4.76	16.00	8.40
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION.....939563	70	2.37	24.97	16.00	8.00
OTHER HAND WORKERS, NEC.....939993	50	1.69	N.A.	N.A.	8.40

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 30 RUBBER AND MISC. PLASTICS PRODUCTS (EXCEPT SIC 302 - RUBBER AND PLASTICS FOOTWEAR)
BENCHMARK EMPLOYMENT: 2,880 TOTAL NUMBER OF RESPONDENTS: 25
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
PLANT & SYSTEM WORKERS.....950003	10	0.34	N.A.	N.A.	$12.30
OTHER PLANT & SYSTEM OPERATORS.....950993	10	0.34	N.A.	N.A.	12.30
MOTOR VEHICLE OPERATORS.....971003	20	0.68	N.A.	N.A.	10.80
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER.....971023	10	0.34	15.71	16.00	12.30
TRUCK DRIVERS-LIGHT, INCLUDE DELIVERY/ROUTE WORKERS.....971053	10	0.34	0.00	20.00	8.90
MATERIAL MOVING EQUIPMENT OPERATORS.....979003	60	2.03	N.A.	N.A.	10.20
OTHER MATERIAL MOVING EQUIPMENT OPERATORS.....979893	60	2.03	N.A.	N.A.	10.20
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	550	18.64	N.A.	N.A.	8.90
HAND PACKERS & PACKAGERS.....989023	220	7.46	2.28	40.00	6.90
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	330	11.19	N.A.	N.A.	10.10
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	10	0.34	N.A.	N.A.	13.50

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

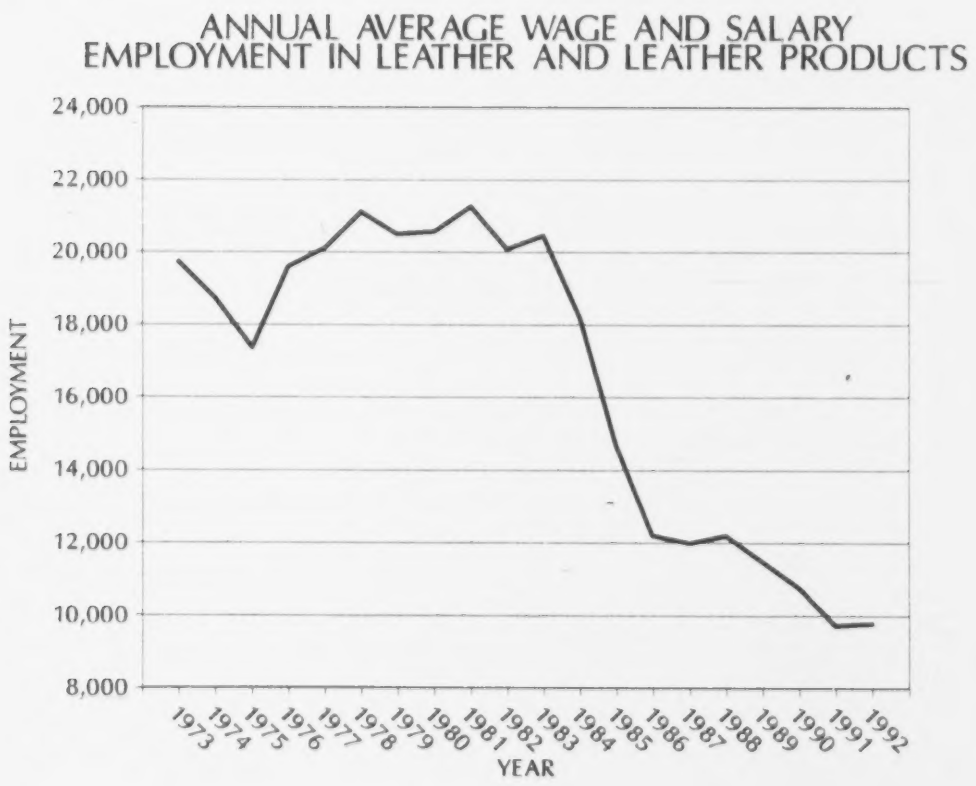
Data for confidential occupations has been combined with the appropriate "All Other" categories.

LEATHER AND LEATHER PRODUCTS
SIC 31

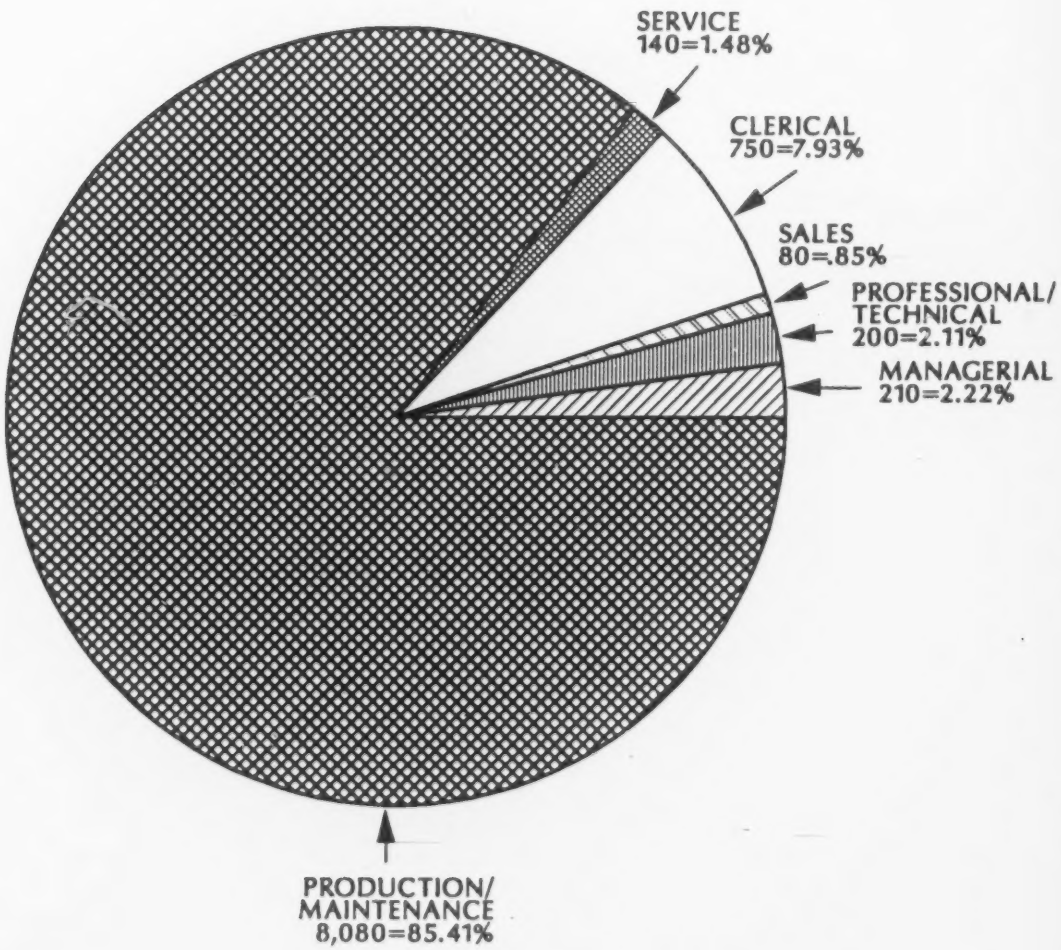
This major industry group includes establishments engaged in tanning, currying, and finishing hides and skins, leather converters, and establishments manufacturing finished leather and artificial leather products and some similar products made of other materials.

Employment in this industry declined by 12 pecent between 1973 and 1975, but then recovered and remained above 20,000 workers through 1983. The industry then experienced a sharp employment decline losing 10,600 workers, or 52 percent, between 1983 and 1992, ending this period with 9,800 workers.

In 1992, total wages paid to employees in the leather and leather products industry equaled $179.2 million. The average annual wage per worker was $18,171. This average wage was 15.7 percent higher than the $15,711 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN LEATHER AND LEATHER PRODUCTS



TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 31 LEATHER AND LEATHER PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 34
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SHOE SEWING MACHIN OPERATORS.....927233	1,600	16.91	0.82	58.82
SHOE & LEATHER WORKER & REPAIRERS, PRECISION.....895113	1,200	12.68	1.60	67.65
HAND PACKERS & PACKAGERS.....989023	420	4.44	1.40	55.88
SEWERS, HAND.....939233	360	3.81	0.00	20.59
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	310	3.28	0.46	67.65
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	310	3.28	0.00	29.41
CEMENTING & GLUING MACHIN OPERATORS.....929563	250	2.64	1.12	47.06
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	230	2.43	0.63	38.24
CUTTING & SLICING MACHIN OPERATORS.....929443	210	2.22	0.94	44.12
CUTTING & SLICING MACHIN SETTERS.....929413	200	2.11	0.00	26.47
TOTAL	5,090	53.81		

TOP 11 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 31 LEATHER AND LEATHER PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 34
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	310	3.28	0.46	67.65
SHOE & LEATHER WORKER & REPAIRERS, PRECISION.....895113	1,200	12.68	1.60	67.65
PAYROLL & TIMEKEEPING CLERKS.....553413	40	0.42	0.00	58.82
SHOE SEWING MACHIN OPERATORS.....927233	1,600	16.91	0.82	58.82
GENERAL MANAGERS & TO EXECUTIVES.....190053	70	0.74	1.49	55.88
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	60	0.63	1.67	55.88
HAND PACKERS & PACKAGERS.....989023	420	4.44	1.40	55.88
CEMENTING & GLUING MACHIN OPERATORS.....929563	250	2.64	1.12	47.06
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	50	0.53	0.00	44.12
CUTTING & SLICING MACHIN OPERATORS.....929443	210	2.22	0.94	44.12
CUTTERS & TRIMMERS, HAND.....939263	130	1.37	0.00	44.12

MAINE
SIC 31 LEATHER AND LEATHER PRODUCTS
BENCHMARK EMPLOYMENT: 9,440 TOTAL NUMBER OF RESPONDENTS: 34
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	9,460	100.00	N.A.	N.A.	$ 8.10
MANAGERIAL & ADMINISTRATIVE.....100003	210	2.22	N.A.	N.A.	24.10
FINANCIAL MANAGERS.....130023	20	0.21	0.00	41.18	26.20
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS.....130053	20	0.21	0.00	29.41	15.90
PURCHASING MANAGERS.....130083	10	0.11	0.00	26.47	11.30
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS.....130113	20	0.21	0.00	17.65	33.20
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS.....130173	10	0.11	0.00	11.76	30.80
INDUSTRIAL PRODUCTION MANAGERS.....150143	40	0.42	0.00	38.24	19.10
GENERAL MANAGERS & TOP EXECUTIVES.....190053	70	0.74	1.49	55.88	27.80
ALL OTHER MANAGERS & ADMINISTRATORS.....199993	20	0.21	N.A.	N.A.	N.A.
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	200	2.11	N.A.	N.A.	14.30
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS.....211003	20	0.21	N.A.	N.A.	13.40
ACCOUNTANTS & AUDITORS.....211143	20	0.21	0.00	20.59	13.40
PURCHASING AGENTS.....213083	20	0.21	0.00	32.35	11.50
PERSONNEL, TRAINING & LABOR RELATIONS SPECIALISTS.....215113	10	0.11	0.00	11.76	12.10
ALL OTHER MANAGEMENT SUPPORT.....219993	30	0.32	N.A.	N.A.	15.50
ENGINEERS.....221003	10	0.11	N.A.	N.A.	17.40
INDUSTRIAL ENGINEERS, EXCEPT SAFETY.....221283	10	0.11	0.00	17.65	17.40
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....225003	10	0.11	N.A.	N.A.	11.00
OTHER ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....225993	10	0.11	N.A.	N.A.	11.00
PHYSICAL & LIFE SCIENCE TECHNICIANS & TECHNOLOGISTS.....245003	30	0.32	N.A.	N.A.	11.00
CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXCEPT HEALTH.....245053	20	0.21	0.00	8.82	10.50
OTHER PHYSICAL & LIFE SCIENCE TECHNICIANS & TECHNOLOGISTS.....245993	10	0.11	N.A.	N.A.	12.80
COMPUTER SCIENTISTS & RELATED.....251003	40	0.42	N.A.	N.A.	16.80
SYSTEMS ANALYSTS.....251023	20	0.21	0.00	11.76	19.20
COMPUTER PROGRAMMERS.....251053	10	0.11	0.00	17.65	14.90
OTHER COMPUTER SCIENTISTS & RELATED.....251993	10	0.11	N.A.	N.A.	14.60
HEALTH PRACTITIONERS, TECHNICIANS & TECHNOLOGISTS.....320003	10	0.11	N.A.	N.A.	11.10
DESIGNERS, EXCEPT INTERIOR.....340383	10	0.11	0.00	14.71	20.50
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS.....399993	10	0.11	N.A.	N.A.	N.A.
SALES & RELATED OCCUPATIONS.....400003	80	0.85	N.A.	N.A.	15.10
FIRST LINE SUPERVISORS, SALES & RELATED.....410023	20	0.21	0.00	17.65	21.20
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL.....490083	20	0.21	0.00	17.65	25.90

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 31 LEATHER AND LEATHER PRODUCTS
BENCHMARK EMPLOYMENT: 9,440 TOTAL NUMBER OF RESPONDENTS: 34
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
ALL OTHER SALES & RELATED.....499993	40	0.42	N.A.	N.A.	$ 8.40
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	750	7.93	N.A.	N.A.	7.70
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	40	0.42	0.00	38.24	12.10
ADJUSTMENT CLERKS.....531233	20	0.21	0.00	17.65	7.70
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	30	0.32	0.00	29.41	9.30
RECEPTIONISTS & INFORMATION CLERKS.....553053	20	0.21	0.00	32.35	6.90
PERSONNEL CLERKS, EXCEPT PAYROLL & TIMEKEEPING.....553143	20	0.21	0.00	26.47	7.80
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE.....553233	30	0.32	0.00	8.82	7.80
PROCUREMENT CLERKS.....553263	20	0.21	0.00	14.71	7.40
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	50	0.53	0.00	44.12	8.60
PAYROLL & TIMEKEEPING CLERKS.....553413	40	0.42	0.00	58.82	7.50
BILLING, COST & RATE CLERKS.....553443	20	0.21	0.00	14.71	8.10
GENERAL OFFICE CLERKS.....553473	40	0.42	2.33	32.35	7.20
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	60	0.63	N.A.	N.A.	8.00
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT.....560113	20	0.21	0.00	20.59	8.30
DATA ENTRY KEYERS, EXCEPT COMPOSING.....560173	30	0.32	0.00	17.65	8.20
OTHER OFFICE MACHINE OPERATORS.....560993	10	0.11	N.A.	N.A.	6.30
SWITCHBOARD OPERATORS.....571023	10	0.11	0.00	23.53	7.50
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	320	3.38	N.A.	N.A.	7.10
PRODUCTION, PLANNING & EXPEDITING CLERKS.....580083	50	0.53	0.00	41.18	7.40
WEIGHERS, MEASURERS, CHECKERS & SAMPLERS, RECORDKEEPING.....580173	10	0.11	0.00	8.82	8.00
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	70	0.74	0.00	29.41	7.30
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	60	0.63	1.67	55.88	6.60
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING.....580993	130	1.37	N.A.	N.A.	6.90
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	30	0.32	N.A.	N.A.	7.40
SERVICE OCCUPATIONS.....600003	140	1.48	N.A.	N.A.	7.40
FIRST LINE SUPERVISORS & MANAGER/SUPERVISORS, SERVICE.....610003	10	0.11	N.A.	N.A.	15.30
GUARDS & WATCH GUARDS.....630473	60	0.63	0.00	26.47	6.40
JANITORS & CLEANERS.....670053	20	0.21	0.00	32.35	6.30
OTHER CLEANING & BUILDING SERVICE WORKERS.....670993	50	0.53	N.A.	N.A.	7.50
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	8,080	85.41	N.A.	N.A.	7.50
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	430	4.55	N.A.	N.A.	11.60
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	20	0.21	0.00	26.47	11.50
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	310	3.28	0.46	67.65	11.90

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 31 LEATHER AND LEATHER PRODUCTS
BENCHMARK EMPLOYMENT: 9,440 TOTAL NUMBER OF RESPONDENTS: 34
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FIRST LINE SUPERVISORS, TRANSPORT/MOVING MACHINES.....810113	10	0.11	0.00	14.71	$13.40
FIRST LINE SUPERVISORS, HELPERS/LABORERS/MOVERS-HAND.....810173	30	0.32	0.00	17.65	11.40
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	60	0.63	N.A.	N.A.	9.90
PRECISION INSPECTORS, TESTERS & GRADERS.....830023	50	0.53	0.00	14.71	6.90
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	230	2.43	0.63	38.24	6.70
MECHANICS, INSTALLERS & REPAIRERS.....850003	160	1.69	N.A.	N.A.	9.60
MACHINERY MAINTENANCE MECHANICS, SEWING MACHINES.....851133	50	0.53	0.00	38.24	9.80
OTHER MACHINERY MAINTENANCE MECHANICS.....851193	40	0.42	N.A.	N.A.	10.70
MACHINERY MAINTENANCE WORKERS.....851283	20	0.21	0.00	11.76	10.40
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	30	0.32	3.23	41.18	9.40
OTHER MECHANICS, INSTALLERS & REPAIRERS.....859993	20	0.21	N.A.	N.A.	6.70
CONSTRUCTION TRADE WORKERS, EXCEPT MATERIAL MOVING.....870003	10	0.11	N.A.	N.A.	11.00
ELECTRICIANS.....872023	10	0.11	0.00	11.76	11.00
OTHER CONSTRUCTION & EXTRACTIVE, EXCEPT HELPERS.....879993	10	0.11	N.A.	N.A.	10.50
PRECISION METAL WORKERS.....891003	20	0.21	N.A.	N.A.	7.80
MACHINISTS.....891083	20	0.21	0.00	20.59	7.80
PRECISION TEXTILE, APPAREL & FURNISHINGS WORKERS.....895003	1,290	13.64	N.A.	N.A.	7.30
FABRIC/APPAREL PATTERNMAKERS & LAYOUT WORKERS.....895023	10	0.11	0.00	14.71	18.30
SHOE & LEATHER WORKERS & REPAIRERS, PRECISION.....895113	1,200	12.68	1.60	67.65	6.90
PRECISION DYERS.....895213	80	0.85	0.00	11.76	10.70
PRECISION WORKERS, NEC.....899003	10	0.11	N.A.	N.A.	7.00
OTHER PRECISION WORKERS, NEC.....899993	10	0.11	N.A.	N.A.	7.00
METAL & PLASTIC PROCESSING MACHINE SETTERS & OPERATORS.....919003	40	0.42	N.A.	N.A.	7.30
PLASTIC MOLDING/CASTING MACHINE OPERATORS.....919053	40	0.42	0.00	11.76	7.30
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS.....921003	10	0.11	N.A.	N.A.	6.20
ALL OTHER MACHINE SETTERS, METAL/PLASTIC.....921973	10	0.11	N.A.	N.A.	6.20
TEXTILE & RELATED SETTERS & OPERATORS.....927003	1,650	17.44	N.A.	N.A.	7.00
SHOE SEWING MACHINE OPERATORS.....927233	1,600	16.91	0.82	58.82	6.90
PRESSING MACHINE OPERATORS, TEXTILE & GARMENT.....927283	50	0.53	0.00	11.76	8.00
OTHER TEXTILE & RELATED SETTERS & OPERATORS.....927993	220	2.33	N.A.	N.A.	5.70
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	1,670	17.65	N.A.	N.A.	7.70
FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERATORS.....929233	40	0.42	0.00	17.65	9.30
CUTTING & SLICING MACHINE SETTERS.....929413	200	2.11	0.00	26.47	9.50
CUTTING & SLICING MACHINE OPERATORS.....929443	210	2.22	0.94	44.12	7.50
COATING, PAINTING & SPRAYING MACHINE SETTERS.....929513	30	0.32	0.00	8.82	8.70
COATING, PAINTING & SPRAYING MACHINE OPERATORS.....929533	120	1.27	0.00	26.47	8.00
CEMENTING & GLUING MACHINE OPERATORS.....929563	250	2.64	1.12	47.06	7.20

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 31 LEATHER AND LEATHER PRODUCTS
BENCHMARK EMPLOYMENT: 9,440 TOTAL NUMBER OF RESPONDENTS: 34
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
CLEANING, WASHING & PICKLING EQUIPMENT OPERATORS.....929583	60	0.63	0.00	8.82	$10.10
CRUSHING/GRINDING/MIXING/ BLENDING MACHINE OPERATORS.....929653	60	0.63	0.00	17.65	7.40
EXTRUDING/FORMING/PRESSING/ COMPACTING MACHINE OPERATORS.....929713	50	0.53	0.00	17.65	6.00
PACKAGING & FILLING MACHINE OPERATORS.....929743	40	0.42	0.00	17.65	5.80
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC.....929973	40	0.42	N.A.	N.A.	8.90
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	570	6.03	N.A.	N.A.	7.20
OTHER HAND WORKERS, NEC.....939003	1,240	13.11	N.A.	N.A.	7.70
SEWERS, HAND.....939233	360	3.81	0.00	20.59	9.10
CUTTERS & TRIMMERS, HAND.....939263	130	1.37	0.00	44.12	7.60
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION.....939563	310	3.28	0.00	29.41	5.90
OTHER HAND WORKERS, NEC.....939993	440	4.65	N.A.	N.A.	7.80
MOTOR VEHICLE OPERATORS.....971003	30	0.32	N.A.	N.A.	8.90
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER.....971023	20	0.21	0.00	17.65	10.50
TRUCK DRIVERS-LIGHT, INCLUDE DELIVERY/ROUTE WORKERS.....971053	10	0.11	0.00	23.53	6.90
ALL OTHER TRANSPORTATION & RELATED WORKERS.....978993	10	0.11	N.A.	N.A.	6.60
MATERIAL MOVING EQUIPMENT OPERATORS.....979003	60	0.63	N.A.	N.A.	8.20
INDUSTRIAL TRUCK & TRACTOR OPERATORS.....979473	40	0.42	0.00	11.76	9.50
CONVEYOR OPERATORS & TENDERS.....979513	10	0.11	8.33	20.59	6.00
OTHER MATERIAL MOVING EQUIPMENT OPERATORS.....979893	10	0.11	N.A.	N.A.	6.50
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	940	9.94	N.A.	N.A.	6.80
MACHINE FEEDERS & OFFBEARERS.....985023	70	0.74	0.00	11.76	9.10
FREIGHT, STOCK & MATERIAL MOVERS, HAND.....987003	110	1.16	N.A.	N.A.	7.10
HAND PACKERS & PACKAGERS.....989023	420	4.44	1.40	55.88	6.70
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	340	3.59	N.A.	N.A.	6.30

N.A. - not available or not calculated

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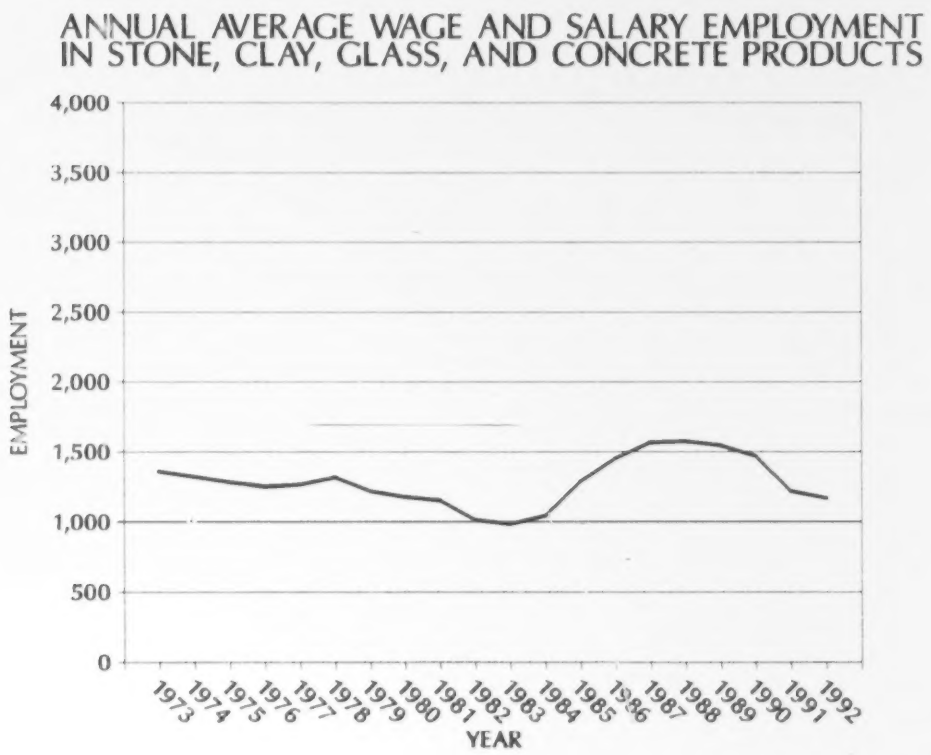
Data for confidential occupations has been combined with the appropriate "All Other" categories.

STONE, CLAY, GLASS, AND CONCRETE PRODUCTS
SIC 32

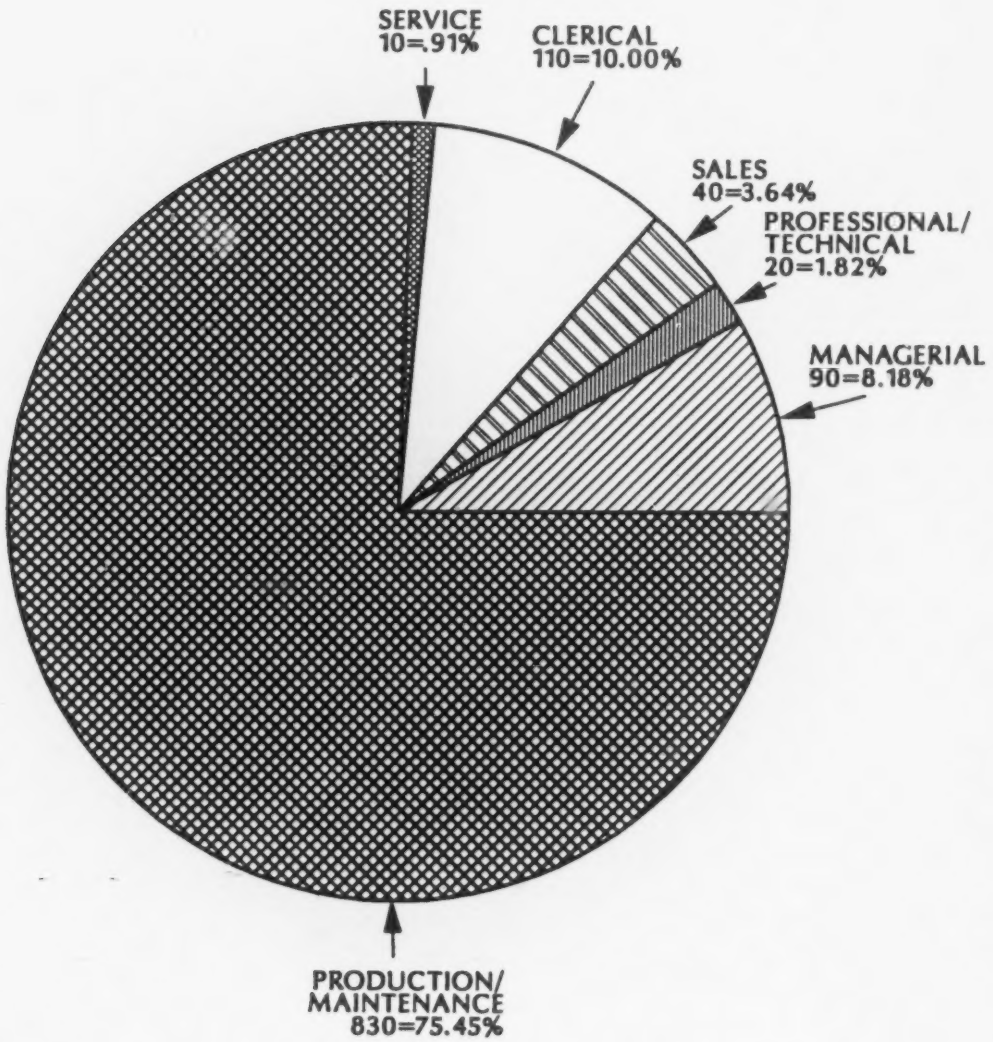
This major industry group includes establishments engaged in manufacturing flat glass and other glass products, cement, structural clay products, pottery, concrete and gypsum products, cut stone, abrasive and asbestos products, and other products from materials taken principally from the earth in the form of stone, clay, and sand.

Employment in this industry experienced a general decline from 1973 to 1983, losing 375 workers, or 27.5 percent. The industry then turned around and experienced general employment growth, adding 600 workers, or 60 percent between 1983 and 1988. Since then, however, employment has been on the decline again, ending the period with 1,200 employees.

In 1992, total wages paid to employees in the stone, clay, glass, and concrete products industry equaled $28.1 million. The average annual wage per worker was $23,850. This average wage was 3.6 percent higher than the $23,023 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN STONE,CLAY, GLASS, AND CONCRETE PRODUCTS, EXCEPT HYDRAULIC CEMENT



TOP 11 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 32 STONE,CLAY AND GLASS PRODUCTS (EXCEPT SIC 324 - HYDRAULIC CEMENT)
TOTAL NUMBER OF RESPONDENTS: 40
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TRUCK DRIVERS, HEAV OR TRACTOR TRAILER.....971023	220	20.00	3.52	65.00
GENERAL MANAGERS & TO EXECUTIVES.....190053	60	5.45	4.49	67.50
CONCRETE & TERRAZZO FINISHERS.....873113	50	4.55	0.00	15.00
PRECISION MOLDERS, SHAPERS CASTERS & CARVERS.....899053	50	4.55	13.01	22.50
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	40	3.64	4.55	50.00
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	40	3.64	6.12	10.00
SALESPERSONS, EXCEP SCIENTIFIC & RETAIL.....490083	30	2.73	0.00	25.00
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	30	2.73	8.53	42.50
BUS & TRUCK MECHANICS DIESEL ENGINE SPECIALISTS.....853113	30	2.73	8.84	37.50
CRUSHING/GRINDING/MIXING BLENDING MACHINE OPERATORS.....929653	30	2.73	5.44	30.00
MOLDERS & CASTERS, HAND.....939443	30	2.73	8.28	15.00
TOTAL	610	55.45		

TOP 10 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 32 STONE,CLAY AND GLASS PRODUCTS (EXCEPT SIC 324 - HYDRAULIC CEMENT)
TOTAL NUMBER OF RESPONDENTS: 40
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	60	5.45	4.49	67.50
TRUCK DRIVERS, HEAV OR TRACTOR TRAILER.....971023	220	20.00	3.52	65.00
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	40	3.64	4.55	50.00
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	30	2.73	8.53	42.50
DISPATCHERS, EXCEPT POLICE FIRE & AMBULANCE.....580053	20	1.82	8.33	40.00
BUS & TRUCK MECHANICS DIESEL ENGINE SPECIALISTS.....853113	30	2.73	8.84	37.50
INDUSTRIAL PRODUCTIO MANAGERS.....150143	20	1.82	12.60	32.50
CRUSHING/GRINDING/MIXING BLENDING MACHINE OPERATORS.....929653	30	2.73	5.44	30.00
SALESPERSONS, EXCEP SCIENTIFIC & RETAIL.....490083	30	2.73	0.00	25.00
PRECISION MOLDERS, SHAPERS CASTERS & CARVERS.....899053	50	4.55	13.01	22.50

MAINE
SIC 32 STONE,CLAY AND GLASS PRODUCTS (EXCEPT SIC 324 - HYDRAULIC CEMENT)
BENCHMARK EMPLOYMENT: 1,070 TOTAL NUMBER OF RESPONDENTS: 40
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	1,100	100.00	N.A.	N.A.	$ 9.60
MANAGERIAL & ADMINISTRATIVE.....100003	90	8.18	N.A.	N.A.	18.70
OTHER ADMINISTRATIVE MANAGERS.....130993	10	0.91	N.A.	N.A.	17.00
INDUSTRIAL PRODUCTION MANAGERS.....150143	20	1.82	12.60	32.50	15.00
GENERAL MANAGERS & TOP EXECUTIVES.....190053	60	5.45	4.49	67.50	20.20
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	20	1.82	N.A.	N.A.	15.00
ALL OTHER MANAGEMENT SUPPORT.....219993	10	0.91	N.A.	N.A.	13.00
ALL OTHER ENGINEERS & RELATED.....229993	10	0.91	N.A.	N.A.	17.90
SALES & RELATED OCCUPATIONS.....400003	40	3.64	N.A.	N.A.	13.20
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL.....490083	30	2.73	0.00	25.00	12.20
ALL OTHER SALES & RELATED.....499993	10	0.91	N.A.	N.A.	17.10
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	110	10.00	N.A.	N.A.	8.80
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	10	0.91	12.37	20.00	7.50
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	30	2.73	8.53	42.50	9.40
GENERAL OFFICE CLERKS.....553473	10	0.91	12.86	17.50	7.60
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	50	4.55	N.A.	N.A.	9.00
DISPATCHERS, EXCEPT POLICE, FIRE & AMBULANCE.....580053	20	1.82	8.33	40.00	10.50
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	10	0.91	11.11	10.00	7.40
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	20	1.82	14.91	12.50	7.60
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	10	0.91	N.A.	N.A.	9.30
SERVICE OCCUPATIONS.....600003	10	0.91	N.A.	N.A.	6.20
JANITORS & CLEANERS.....670053	10	0.91	0.00	12.50	6.20
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	830	75.45	N.A.	N.A.	8.40
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	40	3.64	N.A.	N.A.	12.70
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	40	3.64	4.55	50.00	12.70
OTHER INSPECTORS, TESTERS & RELATED WORKERS.....830993	20	1.82	N.A.	N.A.	8.10
MECHANICS, INSTALLERS & REPAIRERS.....850003	60	5.45	N.A.	N.A.	9.30
MACHINERY MAINTENANCE MECHANICS.....851103	10	0.91	23.57	7.50	7.80
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	10	0.91	0.00	17.50	11.00
BUS & TRUCK MECHANICS & DIESEL ENGINE SPECIALISTS.....853113	30	2.73	8.84	37.50	9.00

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 32 STONE,CLAY AND GLASS PRODUCTS (EXCEPT SIC 324 - HYDRAULIC CEMENT)
BENCHMARK EMPLOYMENT: 1,070 TOTAL NUMBER OF RESPONDENTS: 40
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
OTHER MECHANICS, INSTALLERS & REPAIRERS.....859993	10	0.91	N.A.	N.A.	$ 9.50
CONSTRUCTION TRADE WORKERS, EXCEPT MATERIAL MOVING.....870003	70	6.36	N.A.	N.A.	8.00
CARPENTERS.....871023	10	0.91	0.00	10.00	10.50
CONCRETE & TERRAZZO FINISHERS.....873113	50	4.55	0.00	15.00	7.50
ALL OTHER CONSTRUCTION TRADES.....878993	10	0.91	N.A.	N.A.	7.90
PRECISION WORKERS, NEC.....899003	50	4.55	N.A.	N.A.	8.00
PRECISION MOLDERS, SHAPERS, CASTERS & CARVERS.....899053	50	4.55	13.01	22.50	8.00
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	90	8.18	N.A.	N.A.	8.40
FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERATORS.....929233	20	1.82	0.00	10.00	8.00
CRUSHING/GRINDING/MIXING/ BLENDING MACHINE OPERATORS.....929653	30	2.73	5.44	30.00	8.10
EXTRUDING/FORMING/PRESSING/ COMPACTING MACHINE OPERATORS.....929713	20	1.82	0.00	12.50	8.40
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC.....929973	20	1.82	N.A.	N.A.	9.30
OTHER HAND WORKERS, NEC.....939003	130	11.82	N.A.	N.A.	7.40
WELDERS & CUTTERS.....939143	10	0.91	0.00	12.50	8.60
CUTTERS & TRIMMERS, HAND.....939263	20	1.82	0.00	7.50	7.00
MOLDERS & CASTERS, HAND.....939443	30	2.73	8.28	15.00	7.80
PAINTING, COATING & DECORATING WORKERS, HAND.....939473	20	1.82	21.74	10.00	7.10
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION.....939563	40	3.64	6.12	10.00	7.30
OTHER HAND WORKERS, NEC.....939993	10	0.91	N.A.	N.A.	6.60
PLANT & SYSTEM WORKERS.....950003	10	0.91	N.A.	N.A.	8.40
MOTOR VEHICLE OPERATORS.....971003	240	21.82	N.A.	N.A.	8.10
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER.....971023	220	20.00	3.52	65.00	8.10
TRUCK DRIVERS-LIGHT, INCLUDE DELIVERY/ROUTE WORKERS.....971053	20	1.82	0.00	7.50	7.80
MATERIAL MOVING EQUIPMENT OPERATORS.....979003	60	5.45	N.A.	N.A.	8.60
GRADER, DOZER & SCRAPER OPERATORS.....979383	20	1.82	0.00	17.50	9.60
INDUSTRIAL TRUCK & TRACTOR OPERATORS.....979473	20	1.82	0.00	15.00	8.20
CONVEYOR OPERATORS & TENDERS.....979513	10	0.91	0.00	10.00	7.70
OTHER MATERIAL MOVING EQUIPMENT OPERATORS.....979893	10	0.91	N.A.	N.A.	8.60
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	50	4.55	N.A.	N.A.	8.00
CONSTRUCTION TRADES & EXTRACTIVE WORKER HELPERS.....983003	20	1.82	N.A.	N.A.	7.20
FREIGHT, STOCK & MATERIAL MOVERS, HAND.....987003	20	1.82	N.A.	N.A.	8.70
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	10	0.91	N.A.	N.A.	8.20
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	10	0.91	N.A.	N.A.	11.30

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

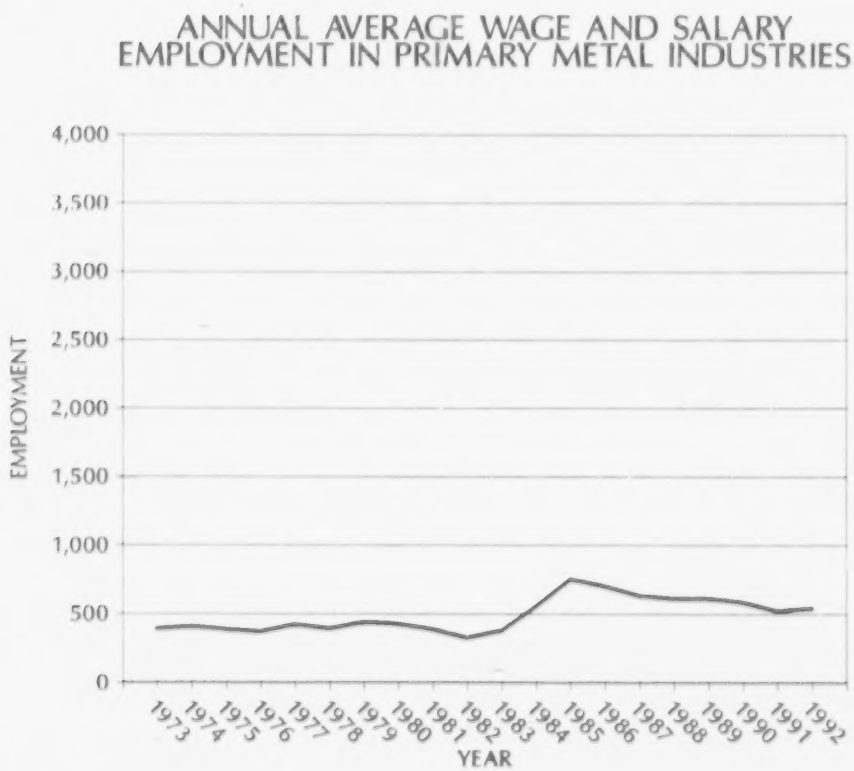
Data for confidential occupations has been combined with the appropriate "All Other" categories.

PRIMARY METAL INDUSTRIES
SIC 33

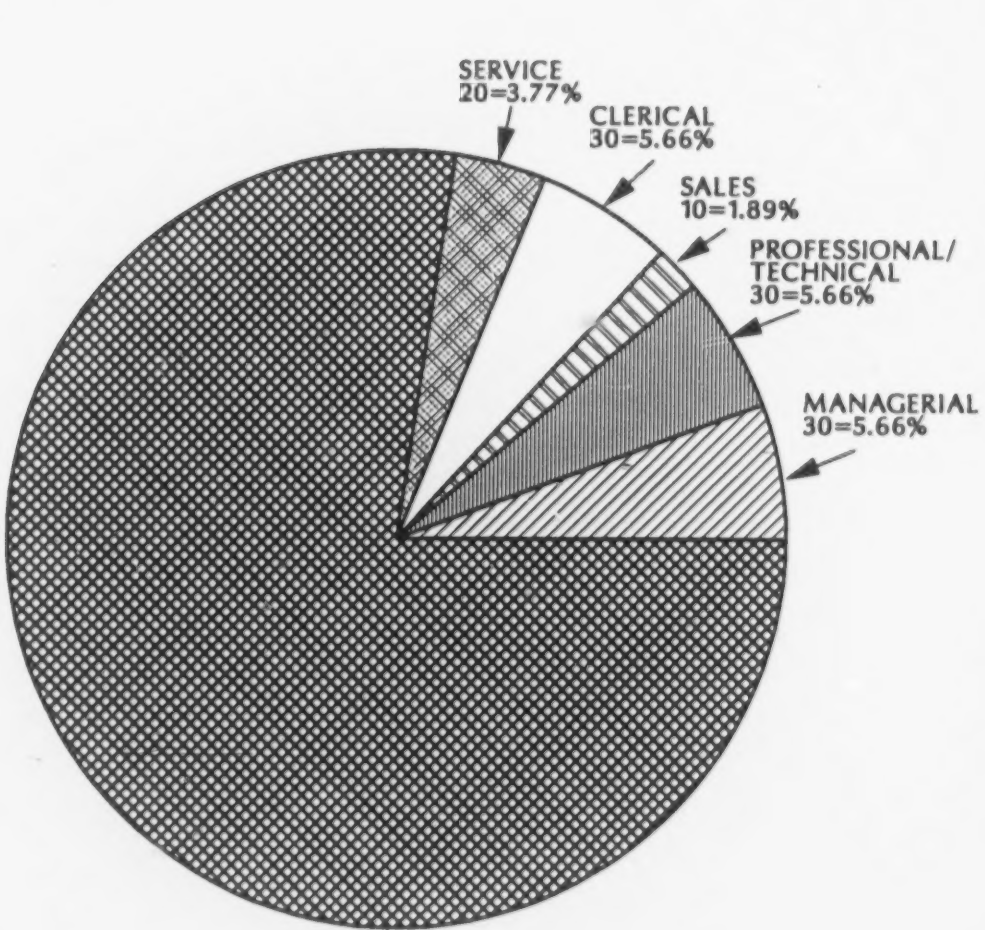
This major industry group includes establishments engaged in smelting and refining ferrous and nonferrous metals from ore, pig, or scrap; in rolling, drawing, and alloying metals; in manufacturing castings and other basic metal products; and in manufacturing nails, spikes, and insulated wire and cable. This major group includes the production of coke.

From 1973 through 1981 employment in this industry hovered around 400 workers. Employment then dipped to a low of just over 300 workers in 1982, then rose to a high of 750 workers in 1985. By 1992, employment had dropped from its high by 33.3 percent, to just over 500 workers.

In 1992, total wages paid to employees in primary metal industries equaled $15.5 million. The average annual wage per worker was $28,796. This average wage was 23.7 percent higher than the $23,280 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN PRIMARY METAL INDUSTRIES



TOP 3 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 33 PRIMARY METAL INDUSTRIES
TOTAL NUMBER OF RESPONDENTS: 6
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	20	3.77	0.00	50.00
GENERAL MANAGERS & TO EXECUTIVES.....190053	10	1.89	0.00	66.67
FURNACE OPERATORS.....919353	10	1.89	0.00	50.00
TOTAL	40	7.55		

TOP 3 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 33 PRIMARY METAL INDUSTRIES
TOTAL NUMBER OF RESPONDENTS: 6
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	10	1.89	0.00	66.67
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	20	3.77	0.00	50.00
FURNACE OPERATORS.....919353	10	1.89	0.00	50.00

MAINE
SIC 33 PRIMARY METAL INDUSTRIES
BENCHMARK EMPLOYMENT: 530 TOTAL NUMBER OF RESPONDENTS: 6
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	530	100.00	N.A.	N.A.	$12.60
MANAGERIAL & ADMINISTRATIVE.....100003	30	5.66	N.A.	N.A.	27.90
OTHER ADMINISTRATIVE MANAGERS.....130993	20	3.77	N.A.	N.A.	27.40
GENERAL MANAGERS & TOP EXECUTIVES.....190053	10	1.89	0.00	66.67	28.70
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	30	5.66	N.A.	N.A.	18.40
ALL OTHER MANAGEMENT SUPPORT.....219993	10	1.89	N.A.	N.A.	15.70
ENGINEERS.....221003	20	3.77	N.A.	N.A.	19.10
ALL OTHER ENGINEERS.....221993	20	3.77	N.A.	N.A.	19.10
SALES & RELATED OCCUPATIONS.....400003	10	1.89	N.A.	N.A.	12.60
ALL OTHER SALES & RELATED.....499993	10	1.89	N.A.	N.A.	12.60
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	30	5.66	N.A.	N.A.	11.20
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	10	1.89	N.A.	N.A.	14.00
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING.....580993	10	1.89	N.A.	N.A.	14.00
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	20	3.77	N.A.	N.A.	9.60
SERVICE OCCUPATIONS.....600003	20	3.77	N.A.	N.A.	12.20
ALL OTHER SERVICE WORKERS.....699993	20	3.77	N.A.	N.A.	12.20
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	410	77.36	N.A.	N.A.	11.30
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	30	5.66	N.A.	N.A.	16.80
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	20	3.77	0.00	50.00	17.60
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	10	1.89	N.A.	N.A.	14.50
OTHER INSPECTORS, TESTERS & RELATED WORKERS.....830993	40	7.55	N.A.	N.A.	11.00
MECHANICS, INSTALLERS & REPAIRERS.....850003	20	3.77	N.A.	N.A.	11.00
MACHINERY MAINTENANCE MECHANICS.....851103	20	3.77	0.00	16.67	11.00
OTHER CONSTRUCTION & EXTRACTIVE, EXCEPT HELPERS.....879993	10	1.89	N.A.	N.A.	13.40
PRECISION METAL WORKERS.....891003	40	7.55	N.A.	N.A.	12.40
OTHER PRECISION METAL WORKERS.....891993	40	7.55	N.A.	N.A.	12.40
METAL & PLASTIC PROCESSING MACHINE SETTERS & OPERATORS.....919003	10	1.89	N.A.	N.A.	10.40
FURNACE OPERATORS.....919353	10	1.89	0.00	50.00	10.40
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS.....921003	140	26.42	N.A.	N.A.	10.60
ALL OTHER MACHINE SETTERS, METAL/PLASTIC.....921973	140	26.42	N.A.	N.A.	10.60

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 33 PRIMARY METAL INDUSTRIES
BENCHMARK EMPLOYMENT: 530 TOTAL NUMBER OF RESPONDENTS: 6
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	100	18.87	N.A.	N.A.	$11.00
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	100	18.87	N.A.	N.A.	11.00
OTHER HAND WORKERS, NEC.....939003	10	1.89	N.A.	N.A.	8.60
OTHER HAND WORKERS, NEC.....939993	10	1.89	N.A.	N.A.	8.60
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	10	1.89	N.A.	N.A.	11.00
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	10	1.89	N.A.	N.A.	11.00

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

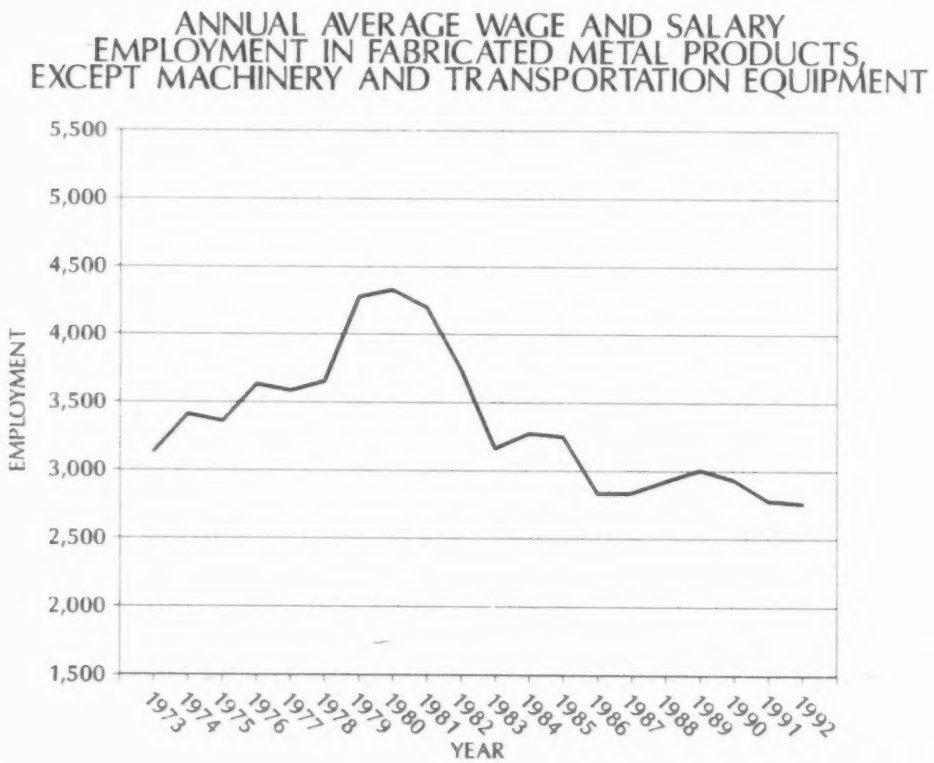
Data for confidential occupations has been combined with the appropriate "All Other" categories.

FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND TRANSPORTATION EQUIPMENT
SIC 34

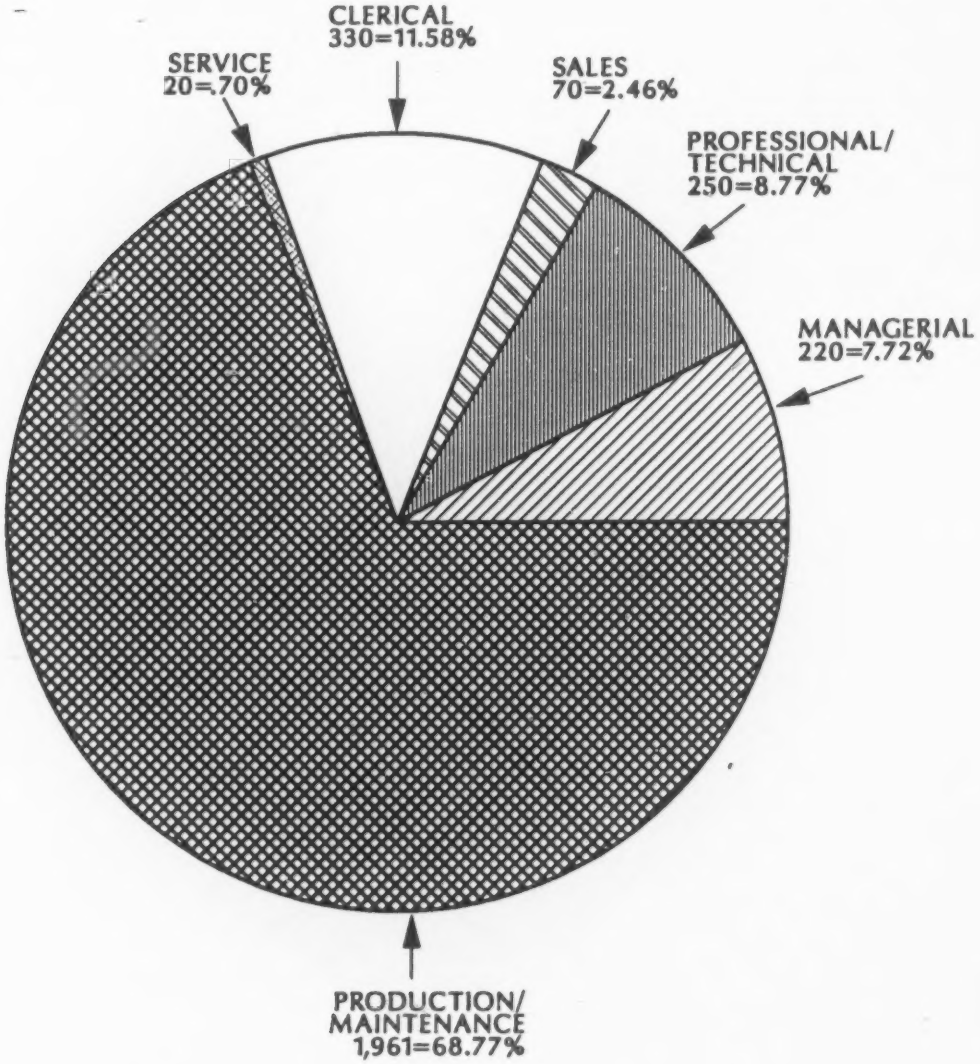
This major industry group includes establishments engaged in fabricating ferrous and nonferrous metal products, such as metal cans, tinware, hand tools, cutlery, general hardware, nonelectric heating apparatus, fabricated structural metal products, metal forgings, metal stampings, ordnance (except vehicles and guided missiles), and a variety of metal and wire products, not elsewhere classified.

Employment in this industry increased by 38 percent between 1973 and 1980, when it reached a high of just over 4,300 workers. However, since 1980 the industry has shown a trend of general employment decline. Employment numbered 2,800 in 1992, a 34.9 percent drop from the 1980 high.

In 1992, total wages paid to employees in the fabricated metal products industry equaled $74.6 million. The average annual wage per worker was $26,837. This average wage was 10.3 percent higher than the $24,335 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN FABRICATED METAL PRODUCTS EXCEPT MACHINERY AND TRASNPORTATION EQUIPMENT



TOP 11 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 34 FABRICATED METAL PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 54
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	320	11.23	1.78	35.19
MACHINISTS.....891083	110	3.86	4.42	29.63
NUMERICAL CONTROL MACHIN TOOL OPERATORS, METAL/PLASTIC.....915023	110	3.86	0.00	11.11
GENERAL MANAGERS & TO EXECUTIVES.....190053	100	3.51	5.88	74.07
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	100	3.51	3.47	61.11
SHEET METAL WORKERS.....891323	100	3.51	5.09	24.07
COMBINATION MACHINE TOO OPERATORS, METAL/PLASTIC.....915083	100	3.51	0.00	11.11
MECHANICAL ENGINEERS.....221353	60	2.11	0.00	20.37
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	60	2.11	0.00	14.81
WELDING MACHINE OPERATORS.....917053	60	2.11	15.47	11.11
WELDERS & CUTTERS.....939143	60	2.11	2.48	22.22
TOTAL	1,180	41.40		

TOP 10 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 34 FABRICATED METAL PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 54
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	100	3.51	5.88	74.07
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	100	3.51	3.47	61.11
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	50	1.75	9.17	44.44
GENERAL OFFICE CLERKS.....553473	50	1.75	2.95	38.89
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	320	11.23	1.78	35.19
INDUSTRIAL PRODUCTIO MANAGERS.....150143	40	1.40	7.15	33.33
SALESPERSONS, EXCEP SCIENTIFIC & RETAIL.....490083	40	1.40	4.95	29.63
SECRETARIES, EXCEPT LEGA & MEDICAL.....551083	50	1.75	0.00	29.63
MACHINISTS.....891083	110	3.86	4.42	29.63
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	40	1.40	0.00	25.93

MAINE
SIC 34 FABRICATED METAL PRODUCTS
BENCHMARK EMPLOYMENT: 2,800 TOTAL NUMBER OF RESPONDENTS: 54
REFERENCE DATE : June 12, 1992

OCCUPATION		EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL	000000	2,850	100.00	N.A.	N.A.	$11.90
MANAGERIAL & ADMINISTRATIVE	100003	220	7.72	N.A.	N.A.	23.90
FINANCIAL MANAGERS	130023	20	0.70	7.86	18.52	20.80
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS	130053	10	0.35	0.00	12.96	20.10
PURCHASING MANAGERS	130083	10	0.35	0.00	11.11	18.80
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS	130113	10	0.35	0.00	12.96	28.70
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS	130173	10	0.35	0.00	9.26	24.70
INDUSTRIAL PRODUCTION MANAGERS	150143	40	1.40	7.15	33.33	22.10
GENERAL MANAGERS & TOP EXECUTIVES	190053	100	3.51	5.88	74.07	25.30
ALL OTHER MANAGERS & ADMINISTRATORS	199993	20	0.70	N.A.	N.A.	23.60
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS	200003	250	8.77	N.A.	N.A.	16.40
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS	211003	20	0.70	N.A.	N.A.	14.00
ACCOUNTANTS & AUDITORS	211143	20	0.70	0.00	18.52	14.00
PURCHASING AGENTS	213083	20	0.70	0.00	22.22	14.20
COST ESTIMATORS	219023	10	0.35	10.88	12.96	15.90
ALL OTHER MANAGEMENT SUPPORT	219993	10	0.35	N.A.	N.A.	13.90
ENGINEERS	221003	90	3.16	N.A.	N.A.	20.00
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	221283	20	0.70	0.00	7.41	19.10
MECHANICAL ENGINEERS	221353	60	2.11	0.00	20.37	20.40
ALL OTHER ENGINEERS	221993	10	0.35	N.A.	N.A.	18.80
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225003	70	2.46	N.A.	N.A.	14.20
MECHANICAL TECHNICIANS & TECHNOLOGISTS	225113	10	0.35	0.00	5.56	18.60
DRAFTERS	225143	50	1.75	0.00	20.37	13.30
OTHER ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225993	10	0.35	N.A.	N.A.	12.90
COMPUTER SCIENTISTS & RELATED	251003	20	0.70	N.A.	N.A.	15.40
SYSTEMS ANALYSTS	251023	10	0.35	0.00	7.41	19.70
OTHER COMPUTER SCIENTISTS & RELATED	251993	10	0.35	N.A.	N.A.	12.70
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS	399993	10	0.35	N.A.	N.A.	14.20
SALES & RELATED OCCUPATIONS	400003	70	2.46	N.A.	N.A.	16.40
SALESPERSONS, SCIENTIFIC PRODUCTS & SERVICES	490053	10	0.35	0.00	5.56	22.40
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL	490083	40	1.40	4.95	29.63	14.30
ALL OTHER SALES & RELATED	499993	20	0.70	N.A.	N.A.	17.40
CLERICAL & ADMINISTRATIVE SUPPORT	500003	330	11.58	N.A.	N.A.	9.90

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 34 FABRICATED METAL PRODUCTS
BENCHMARK EMPLOYMENT: 2,800 TOTAL NUMBER OF RESPONDENTS: 54
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	10	0.35	22.05	11.11	$11.50
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	50	1.75	0.00	29.63	9.60
RECEPTIONISTS & INFORMATION CLERKS.....553053	10	0.35	0.00	7.41	9.40
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE.....553233	10	0.35	0.00	9.26	10.00
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	50	1.75	9.17	44.44	9.20
GENERAL OFFICE CLERKS.....553473	50	1.75	2.95	38.89	8.50
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	10	0.35	N.A.	N.A.	8.60
OTHER OFFICE MACHINE OPERATORS.....560993	10	0.35	N.A.	N.A.	8.60
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	120	4.21	N.A.	N.A.	10.80
PRODUCTION, PLANNING & EXPEDITING CLERKS.....580083	30	1.05	0.00	18.52	12.80
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	40	1.40	0.00	22.22	9.40
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	40	1.40	0.00	25.93	9.80
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING.....580993	10	0.35	N.A.	N.A.	16.80
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	20	0.70	N.A.	N.A.	9.50
SERVICE OCCUPATIONS.....600003	20	0.70	N.A.	N.A.	7.00
JANITORS & CLEANERS.....670053	20	0.70	0.00	20.37	7.00
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	1,960	68.77	N.A.	N.A.	10.30
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	120	4.21	N.A.	N.A.	15.70
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	100	3.51	3.47	61.11	15.60
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	20	0.70	N.A.	N.A.	16.50
PRECISION INSPECTORS, TESTERS & GRADERS.....830023	20	0.70	8.94	14.81	10.80
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	60	2.11	0.00	14.81	10.00
MECHANICS, INSTALLERS & REPAIRERS.....850003	70	2.46	N.A.	N.A.	11.60
MACHINERY MAINTENANCE MECHANICS.....851103	40	1.40	0.00	18.52	11.90
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	20	0.70	0.00	18.52	11.50
OTHER MECHANICS, INSTALLERS & REPAIRERS.....859993	10	0.35	N.A.	N.A.	10.90
OTHER CONSTRUCTION & EXTRACTIVE, EXCEPT HELPERS.....879993	10	0.35	N.A.	N.A.	12.20
PRECISION METAL WORKERS.....891003	310	10.88	N.A.	N.A.	10.80
TOOL & DIE MAKERS.....891023	40	1.40	0.00	12.96	13.70
MACHINISTS.....891083	110	3.86	4.42	29.63	10.50
TOOL GRINDERS, FILERS & SHARPENERS.....891113	40	1.40	0.00	9.26	9.10
SHEET METAL WORKERS.....891323	100	3.51	5.09	24.07	10.60
OTHER PRECISION METAL WORKERS.....891993	20	0.70	N.A.	N.A.	11.20
MACHINE TOOL CUTTING SETTERS, METAL/PLASTIC.....911003	100	3.51	N.A.	N.A.	9.70
LATHE TOOL SETTERS.....911053	20	0.70	0.00	5.56	10.20

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 34 FABRICATED METAL PRODUCTS
BENCHMARK EMPLOYMENT: 2,800 TOTAL NUMBER OF RESPONDENTS: 54
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
DRILLING/BORING MACHINE TOOL SETTERS, METAL/PLASTIC.....911083	30	1.05	0.00	9.26	$ 9.90
GRINDING, LAPPING & BUFFING MACHINE OPERATORS.....911143	20	0.70	0.00	5.56	9.90
MACHINE TOOL CUTTING OPERATORS, METAL/PLASTIC.....911173	30	1.05	0.00	5.56	9.10
MACHINE FORMING SETTERS, OPERATORS, METAL/PLASTIC.....913003	50	1.75	N.A.	N.A.	10.20
PUNCHING MACHINE SETTERS, OPERATORS, METAL/PLASTIC.....913023	10	0.35	0.00	7.41	10.10
PRESS & PRESS BRAKE MACHINE SETTERS, METAL/PLASTIC.....913053	10	0.35	0.00	14.81	10.90
FORGING MACHINE SETTERS, OPERATORS, METAL/PLASTIC.....913173	20	0.70	0.00	5.56	9.10
MACHINE FORMING OPERATORS.....913213	10	0.35	0.00	7.41	11.40
NUMERICAL/COMBINATION MACHINE TOOL SETTERS, METAL/PLASTIC.....915003	250	8.77	N.A.	N.A.	9.30
NUMERICAL CONTROL MACHINE TOOL OPERATORS, METAL/PLASTIC.....915023	110	3.86	0.00	11.11	10.40
COMBINATION MACHINE TOOL SETTERS, METAL/PLASTIC.....915053	40	1.40	0.00	11.11	10.50
COMBINATION MACHINE TOOL OPERATORS, METAL/PLASTIC.....915083	100	3.51	0.00	11.11	7.70
METAL FABRICATING MACHINE SETTERS, OPERATORS.....917003	110	3.86	N.A.	N.A.	11.30
WELDING MACHINE OPERATORS.....917053	60	2.11	15.47	11.11	11.80
METAL FABRICATORS, STRUCTURAL METAL PRODUCTS.....917143	50	1.75	9.61	16.67	10.60
METAL & PLASTIC PROCESSING MACHINE SETTERS & OPERATORS.....919003	40	1.40	N.A.	N.A.	11.30
ELECTROLYTIC PLATING & COATING MACHINE SETTERS.....919173	40	1.40	0.00	5.56	11.30
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS.....921003	130	4.56	N.A.	N.A.	9.50
ALL OTHER MACHINE SETTERS, METAL/PLASTIC.....921973	70	2.46	N.A.	N.A.	9.30
ALL OTHER MACHINE OPERATORS, METAL/PLASTIC.....921983	60	2.11	N.A.	N.A.	9.80
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	30	1.05	N.A.	N.A.	10.30
COATING, PAINTING & SPRAYING MACHINE SETTERS.....929513	10	0.35	0.00	9.26	9.40
COATING, PAINTING & SPRAYING MACHINE OPERATORS.....929533	20	0.70	0.00	7.41	11.20
FABRICATORS & PRECISION ASSEMBLERS, METAL.....931003	50	1.75	N.A.	N.A.	10.30
OTHER PRECISION ASSEMBLERS.....931973	50	1.75	N.A.	N.A.	10.30
OTHER HAND WORKERS, NEC.....939003	410	14.39	N.A.	N.A.	9.20
WELDERS & CUTTERS.....939143	60	2.11	2.48	22.22	10.50
GRINDING & POLISHING WORKERS, HAND.....939533	10	0.35	0.00	9.26	9.00
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION.....939563	320	11.23	1.78	35.19	9.00
OTHER HAND WORKERS, NEC.....939993	20	0.70	N.A.	N.A.	9.00
MOTOR VEHICLE OPERATORS.....971003	20	0.70	N.A.	N.A.	9.50
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER.....971023	10	0.35	0.00	7.41	11.30
TRUCK DRIVERS-LIGHT, INCLUDE DELIVERY/ROUTE WORKERS.....971053	10	0.35	20.20	9.26	7.50
MATERIAL MOVING EQUIPMENT OPERATORS.....979003	10	0.35	N.A.	N.A.	9.80
INDUSTRIAL TRUCK & TRACTOR OPERATORS.....979473	10	0.35	0.00	5.56	9.80
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	160	5.61	N.A.	N.A.	8.70
MACHINE FEEDERS & OFFBEARERS.....985023	50	1.75	12.15	11.11	11.80

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 34 FABRICATED METAL PRODUCTS
BENCHMARK EMPLOYMENT: 2,800 TOTAL NUMBER OF RESPONDENTS: 54
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FREIGHT, STOCK & MATERIAL MOVERS, HAND.....987003	20	0.70	N.A.	N.A.	$10.40
HAND PACKERS & PACKAGERS.....989023	10	0.35	0.00	9.26	8.90
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	80	2.81	N.A.	N.A.	6.40
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	10	0.35	N.A.	N.A.	10.70

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

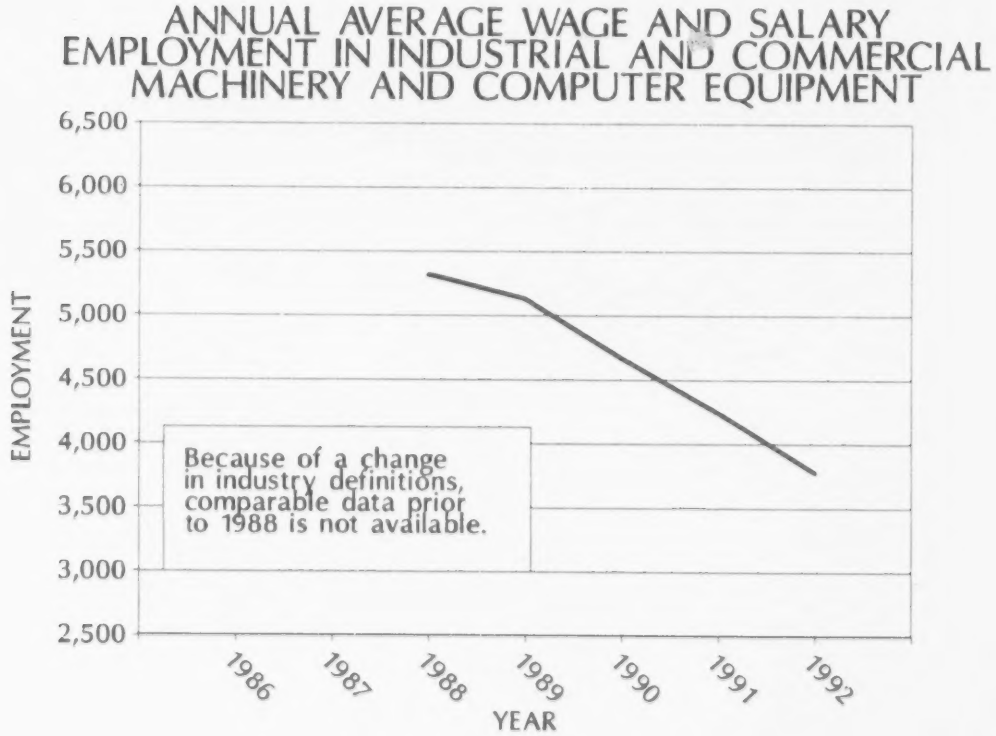
Data for confidential occupations has been combined with the appropriate "All Other" categories.

INDUSTRIAL AND COMMERCIAL MACHINERY AND COMPUTER EQUIPMENT
SIC 35

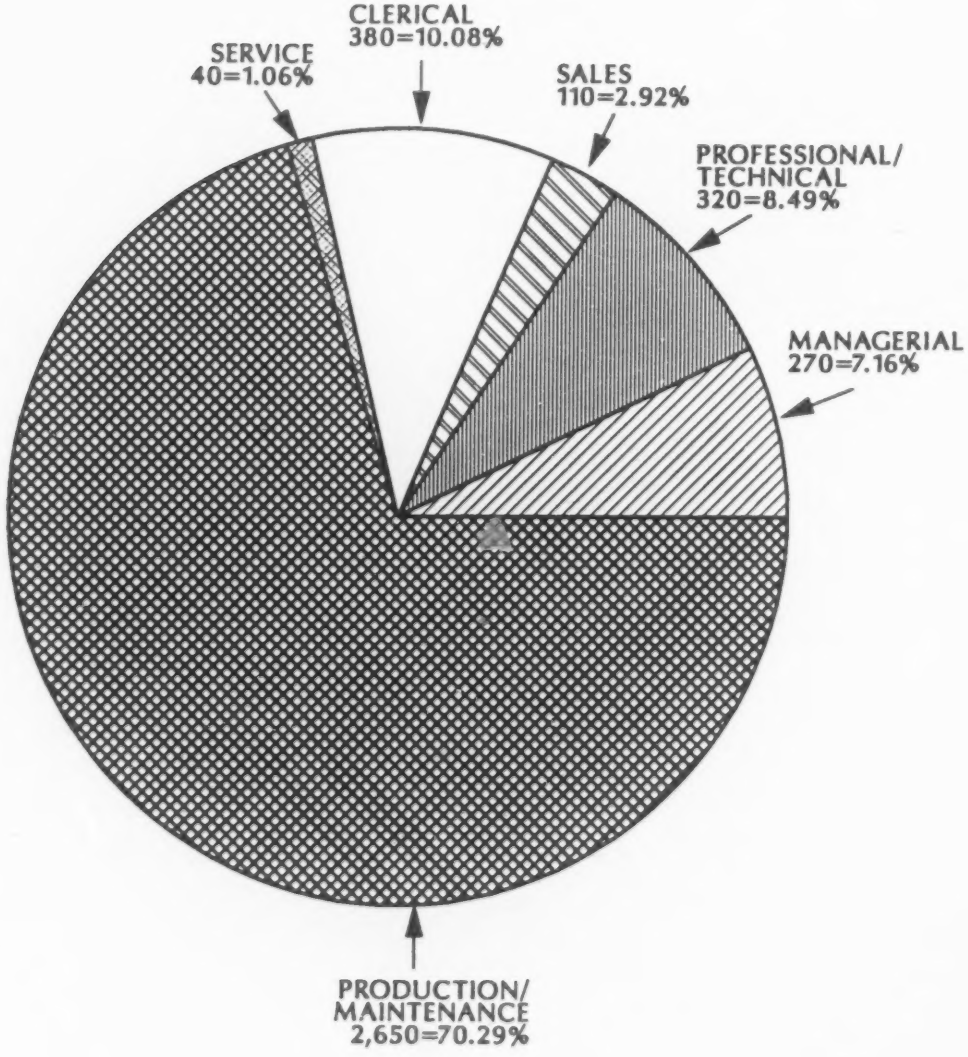
This major industry group includes establishments engaged in manufacturing industrial and commercial machinery and equipment and computers. Included are the manufacture of engines and turbines; farm and garden machinery; construction, mining, and oil field machinery; elevators and conveying equipment; hoists, cranes, monorails, and industrial trucks and tractors; metalworking machinery; special industry machinery; general industrial machinery; computer and peripheral equipment and office machinery; and refrigeration and service industry machinery.

Between 1988 and 1992, employment in this industry has declined by 28.3 percent losing 1,500 workers and ending the period with 3,800 employees. Because of an industrial definition revision in 1988, employment data for this industry prior to this date is not comparable.

In 1992, total wages paid to employees in the industrial and commercial machinery and computer equipment industry equaled $116.2 million. The average annual wage per worker was $30,627. This average wage was 14.8 percent higher than the $26,674 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN INDUSTRIAL AND COMMERCIAL MACHINERY AND COMPUTER EQUIPMENT



TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 35 INDUSTRIAL MACHINERY AND EQUIPMENT
TOTAL NUMBER OF RESPONDENTS: 79
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
MACHINISTS.....891083	560	14.85	3.37	72.15
NUMERICAL CONTROL MACHIN TOOL OPERATORS, METAL/PLASTIC.....915023	200	5.31	4.95	24.05
WELDERS & CUTTERS.....939143	170	4.51	3.65	24.05
TOOL & DIE MAKERS.....891023	130	3.45	5.15	18.99
MILLING & PLANING MACHIN SETTERS, METAL/PLASTIC.....911113	130	3.45	0.00	5.06
GENERAL MANAGERS & TO EXECUTIVES.....190053	120	3.18	3.07	73.42
DRILLING/BORING MACHIN TOOL SETTERS, METAL/PLASTIC.....911083	120	3.18	0.00	12.66
COMBINATION MACHINE TOO SETTERS, METAL/PLASTIC.....915053	110	2.92	3.93	11.39
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	100	2.65	4.23	35.44
LATHE TOOL SETTERS.....911053	100	2.65	1.94	16.46
TOTAL	1,740	46.15		

TOP 10 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 35 INDUSTRIAL MACHINERY AND EQUIPMENT
TOTAL NUMBER OF RESPONDENTS: 79
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	120	3.18	3.07	73.42
MACHINISTS.....891083	560	14.85	3.37	72.15
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	50	1.33	9.59	36.71
INDUSTRIAL PRODUCTIO MANAGERS.....150143	50	1.33	8.85	35.44
GENERAL OFFICE CLERKS.....553473	60	1.59	7.04	35.44
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	50	1.33	0.00	35.44
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	100	2.65	4.23	35.44
SECRETARIES, EXCEPT LEGA & MEDICAL.....551083	50	1.33	5.75	31.65
PURCHASING AGENTS.....213083	30	0.80	0.00	29.11
FINANCIAL MANAGERS.....130023	30	0.80	3.70	27.85

MAINE
SIC 35 INDUSTRIAL MACHINERY AND EQUIPMENT
BENCHMARK EMPLOYMENT: 3,740 TOTAL NUMBER OF RESPONDENTS: 79
REFERENCE DATE : June 12, 1992

OCCUPATION		EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL	000000	3,770	100.00	N.A.	N.A.	$12.80
MANAGERIAL & ADMINISTRATIVE	100003	270	7.16	N.A.	N.A.	23.80
FINANCIAL MANAGERS	130023	30	0.80	3.70	27.85	23.30
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS	130053	10	0.27	0.00	6.33	25.30
PURCHASING MANAGERS	130083	10	0.27	0.00	7.59	23.60
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS	130113	10	0.27	0.00	7.59	31.30
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS	130173	30	0.80	0.00	26.58	21.90
INDUSTRIAL PRODUCTION MANAGERS	150143	50	1.33	8.85	35.44	22.60
GENERAL MANAGERS & TOP EXECUTIVES	190053	120	3.18	3.07	73.42	24.40
ALL OTHER MANAGERS & ADMINISTRATORS	199993	10	0.27	N.A.	N.A.	19.60
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS	200003	320	8.49	N.A.	N.A.	15.40
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS	211003	10	0.27	N.A.	N.A.	14.30
ACCOUNTANTS & AUDITORS	211143	10	0.27	0.00	8.86	14.30
PURCHASING AGENTS	213083	30	0.80	0.00	29.11	13.90
PERSONNEL, TRAINING & LABOR RELATIONS SPECIALISTS	215113	10	0.27	0.00	6.33	12.40
COST ESTIMATORS	219023	10	0.27	0.00	7.59	17.70
ENGINEERS	221003	120	3.18	N.A.	N.A.	17.70
ELECTRICAL & ELECTRONIC ENGINEERS	221263	20	0.53	0.00	8.86	17.50
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	221283	10	0.27	0.00	5.06	18.30
MECHANICAL ENGINEERS	221353	60	1.59	0.00	24.05	17.40
ALL OTHER ENGINEERS	221993	30	0.80	N.A.	N.A.	18.30
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225003	80	2.12	N.A.	N.A.	12.80
ELECTRICAL/ELECTRONIC TECHNICIANS & TECHNOLOGISTS	225053	10	0.27	0.00	7.59	14.90
MECHANICAL TECHNICIANS & TECHNOLOGISTS	225113	10	0.27	0.00	6.33	13.30
DRAFTERS	225143	50	1.33	4.76	22.78	11.90
OTHER ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225993	10	0.27	N.A.	N.A.	15.10
COMPUTER SCIENTISTS & RELATED	251003	40	1.06	N.A.	N.A.	15.40
COMPUTER PROGRAMMERS	251053	10	0.27	0.00	7.59	13.60
PROGRAMMERS-NUMERICAL, TOOL & PROCESS CONTROL	251113	30	0.80	0.00	10.13	15.90
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS	399993	20	0.53	N.A.	N.A.	15.70
SALES & RELATED OCCUPATIONS	400003	110	2.92	N.A.	N.A.	18.10
SALES ENGINEERS	490023	20	0.53	0.00	10.13	21.90
SALESPERSONS, SCIENTIFIC PRODUCTS & SERVICES	490053	20	0.53	0.00	7.59	15.70

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 35 INDUSTRIAL MACHINERY AND EQUIPMENT
BENCHMARK EMPLOYMENT: 3,740 TOTAL NUMBER OF RESPONDENTS: 79
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL.....490083	60	1.59	3.04	26.58	$18.50
ALL OTHER SALES & RELATED.....499993	10	0.27	N.A.	N.A.	14.30
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	380	10.08	N.A.	N.A.	10.10
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	20	0.53	0.00	20.25	14.80
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	50	1.33	5.75	31.65	8.60
RECEPTIONISTS & INFORMATION CLERKS.....553053	10	0.27	0.00	6.33	9.00
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE.....553233	20	0.53	0.00	11.39	8.80
PROCUREMENT CLERKS.....553263	10	0.27	0.00	6.33	8.40
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	50	1.33	9.59	36.71	8.90
PAYROLL & TIMEKEEPING CLERKS.....553413	10	0.27	0.00	5.06	11.30
GENERAL OFFICE CLERKS.....553473	60	1.59	7.04	35.44	8.90
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	10	0.27	N.A.	N.A.	11.60
OTHER OFFICE MACHINE OPERATORS.....560993	10	0.27	N.A.	N.A.	11.60
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING... .580003	130	3.45	N.A.	N.A.	10.80
PRODUCTION, PLANNING & EXPEDITING CLERKS.....580083	30	0.80	0.00	16.46	12.00
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	40	1.06	0.00	16.46	11.00
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	50	1.33	0.00	35.44	9.70
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING.....580993	10	0.27	N.A.	N.A.	12.80
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	10	0.27	N.A.	N.A.	9.80
SERVICE OCCUPATIONS.....600003	40	1.06	N.A.	N.A.	7.60
JANITORS & CLEANERS.....670053	40	1.06	6.61	26.58	7.60
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	2,650	70.29	N.A.	N.A.	11.60
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	130	3.45	N.A.	N.A.	16.00
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	100	2.65	4.23	35.44	16.10
FIRST LINE SUPERVISORS, TRANSPORT/MOVING MACHINES.....810113	10	0.27	0.00	3.80	14.80
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	20	0.53	N.A.	N.A.	16.10
PRECISION INSPECTORS, TESTERS & GRADERS.....830023	60	1.59	0.00	21.52	11.80
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	50	1.33	0.00	13.92	11.80
MECHANICS, INSTALLERS & REPAIRERS.....850003	90	2.39	N.A.	N.A.	11.40
MACHINERY MAINTENANCE MECHANICS.....851103	30	0.80	7.45	10.13	13.40
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	50	1.33	0.00	13.92	9.80
OTHER MECHANICS, INSTALLERS & REPAIRERS.....859993	10	0.27	N.A.	N.A.	13.90
CONSTRUCTION TRADE WORKERS, EXCEPT MATERIAL MOVING.....870003	10	0.27	N.A.	N.A.	14.70
ELECTRICIANS.....872023	10	0.27	0.00	-3.80	14.70

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 35 INDUSTRIAL MACHINERY AND EQUIPMENT
BENCHMARK EMPLOYMENT: 3,740 TOTAL NUMBER OF RESPONDENTS: 79
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
PRECISION METAL WORKERS.....891003	740	19.63	N.A.	N.A.	$ 11.90
TOOL & DIE MAKERS.....891023	130	3.45	5.15	18.99	13.70
MACHINISTS.....891083	560	14.85	3.37	72.15	11.40
TOOL GRINDERS, FILERS & SHARPENERS.....891113	50	1.33	0.00	11.39	11.80
PRECISION WORKERS, NEC.....899003	10	0.27	N.A.	N.A.	14.10
OTHER PRECISION WORKERS, NEC.....899993	10	0.27	N.A.	N.A.	14.10
MACHINE TOOL CUTTING SETTERS, METAL/PLASTIC.....911003	420	11.14	N.A.	N.A.	12.10
SAW MACHINE TOOLSETTERS.....911023	10	0.27	0.00	7.59	9.70
LATHE TOOL SETTERS.....911053	100	2.65	1.94	16.46	11.80
DRILLING/BORING MACHINE TOOL SETTERS, METAL/PLASTIC.....911083	120	3.18	0.00	12.66	12.60
MILLING & PLANING MACHINE SETTERS, METAL/PLASTIC.....911113	130	3.45	0.00	5.06	12.90
GRINDING, LAPPING & BUFFING MACHINE OPERATORS.....911143	60	1.59	0.00	10.13	10.30
MACHINE FORMING SETTERS, OPERATORS, METAL/PLASTIC.....913003	40	1.06	N.A.	N.A.	10.70
PUNCHING MACHINE SETTERS, OPERATORS, METAL/PLASTIC.....913023	40	1.06	0.00	7.59	10.70
NUMERICAL/COMBINATION MACHINE TOOL SETTERS, METAL/PLASTIC.....915003	390	10.34	N.A.	N.A.	11.00
NUMERICAL CONTROL MACHINE TOOL OPERATORS, METAL/PLASTIC.....915023	200	5.31	4.95	24.05	12.00
COMBINATION MACHINE TOOL SETTERS, METAL/PLASTIC.....915053	110	2.92	3.93	11.39	11.00
COMBINATION MACHINE TOOL OPERATORS, METAL/PLASTIC.....915083	80	2.12	10.91	8.86	8.70
METAL FABRICATING MACHINE SETTERS, OPERATORS.....917003	60	1.59	N.A.	N.A.	10.30
WELDING MACHINE SETTERS.....917023	40	1.06	0.00	10.13	10.80
WELDING MACHINE OPERATORS.....917053	20	0.53	15.31	7.59	8.80
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS.....921003	140	3.71	N.A.	N.A.	11.10
ALL OTHER MACHINE SETTERS, METAL/PLASTIC.....921973	40	1.06	N.A.	N.A.	11.00
ALL OTHER MACHINE OPERATORS, METAL/PLASTIC.....921983	100	2.65	N.A.	N.A.	11.20
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	40	1.06	N.A.	N.A.	9.40
COATING, PAINTING & SPRAYING MACHINE OPERATORS.....929533	10	0.27	0.00	6.33	9.60
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC.....929973	10	0.27	N.A.	N.A.	8.60
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	20	0.53	N.A.	N.A.	9.60
FABRICATORS & PRECISION ASSEMBLERS, METAL.....931003	60	1.59	N.A.	N.A.	11.60
MACHINE BUILDERS & OTHER PRECISION MACHINE ASSEMBLERS.....931053	50	1.33	3.33	10.13	11.60
ELECTRICAL/ELECTRONIC EQUIPMENT ASSEMBLERS, PRECISION.....931143	10	0.27	0.00	5.06	11.60
OTHER HAND WORKERS, NEC.....939003	320	8.49	N.A.	N.A.	10.40
MACHINE ASSEMBLERS.....939023	20	0.53	11.55	6.33	7.90
ELECTRICAL & ELECTRONIC ASSEMBLERS.....939053	20	0.53	0.00	6.33	8.00
WELDERS & CUTTERS.....939143	170	4.51	3.65	24.05	11.50
GRINDING & POLISHING WORKERS, HAND.....939533	70	1.86	0.00	13.92	9.10
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION.....939563	30	0.80	0.00	6.33	9.60

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 35 INDUSTRIAL MACHINERY AND EQUIPMENT
BENCHMARK EMPLOYMENT: 3,740 TOTAL NUMBER OF RESPONDENTS: 79
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
OTHER HAND WORKERS, NEC.....939993	10	0.27	N.A.	N.A.	$11.10
MOTOR VEHICLE OPERATORS.....971003	10	0.27	N.A.	N.A.	9.90
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER.....971023	10	0.27	0.00	5.06	9.90
MATERIAL MOVING EQUIPMENT OPERATORS.....979003	30	0.80	N.A.	N.A.	11.30
INDUSTRIAL TRUCK & TRACTOR OPERATORS.....979473	20	0.53	0.00	5.06	12.30
OTHER MATERIAL MOVING EQUIPMENT OPERATORS.....979893	10	0.27	N.A.	N.A.	8.80
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	50	1.33	N.A.	N.A.	7.80
FREIGHT, STOCK & MATERIAL MOVERS, HAND.....987003	10	0.27	N.A.	N.A.	9.40
HAND PACKERS & PACKAGERS.....989023	30	0.80	0.00	6.33	6.60
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	10	0.27	N.A.	N.A.	9.30

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

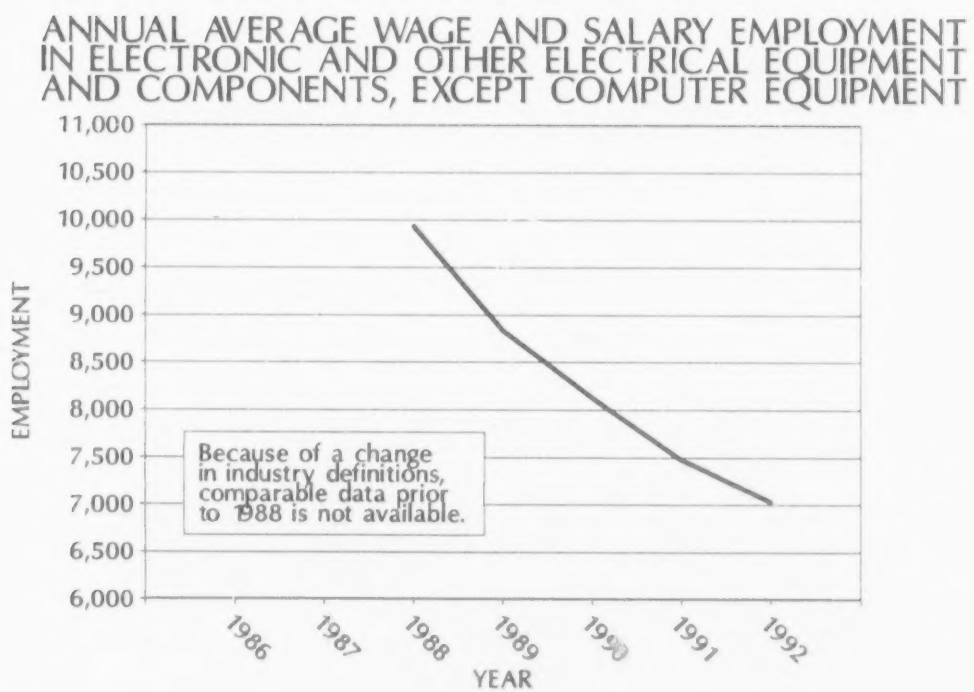
Data for confidential occupations has been combined with the appropriate "All Other" categories.

ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONENTS, EXCEPT COMPUTER EQUIPMENT
SIC 36

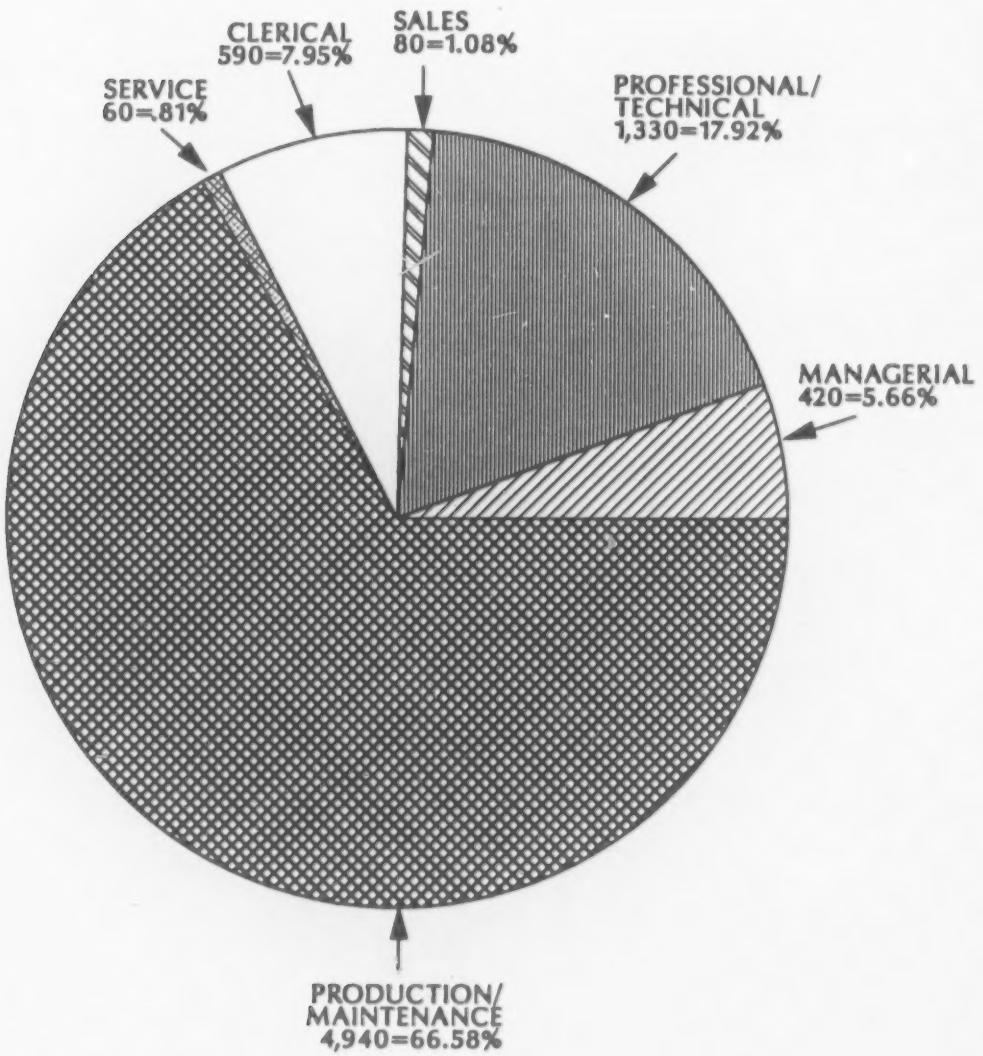
This major industry group includes establishments engaged in manufacturing machinery, apparatus, and supplies for the generation, storage, transmission, transformation, and utilization of electrical energy. Included are the manufacturing of electricity distribution equipment; electrical industrial apparatus; household appliances; electrical lighting and wiring equipment; radio and television receiving equipment; communications equipment; electronic components and accessories; and other electrical equipment and supplies.

Employment in this industry has shown a dramatic decline between 1988 and 1992, losing workers, or 29.3 percent, ending the period with 7,000 employees. Because of an industrial definition revision in 1988, employment data prior to this date is not comparable.

In 1992, total wages paid to employees in the electronic and other electrical equipment and components industry (other than computer equipment) equaled $197.9 million. The average annual wage per worker was $28,218. This average wage was 21.6 percent higher than the $23,213 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT, EXCEPT COMPUTER EQUIPMENT



TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 36 ELECTRONIC & OTHER ELECTRIC EQUIPMENT
TOTAL NUMBER OF RESPONDENTS: 37
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ELECTRICAL & ELECTRONI ASSEMBLERS.....939053	970	13.07	0.67	45.95
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	500	6.74	0.40	62.16
ELECTRICAL/ELECTRONIC EQUIPMEN ASSEMBLERS, PRECISION.....931143	390	5.26	2.34	35.14
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	310	4.18	0.98	24.32
ELECTRICAL & ELECTRONI ENGINEERS.....221263	240	3.23	0.60	51.35
ELECTRICAL/ELECTRONI TECHNICIANS & TECHNOLOGISTS.....225053	240	3.23	0.00	59.46
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	190	2.56	0.75	81.08
PLASTIC MOLDING/CASTIN MACHINE OPERATORS.....919053	160	2.16	0.00	13.51
MECHANICAL TECHNICIANS TECHNOLOGISTS.....225113	140	1.89	0.00	29.73
MACHINISTS.....891083	130	1.75	0.00	51.35
TOTAL	3,270	44.07		

TOP 10 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 36 ELECTRONIC & OTHER ELECTRIC EQUIPMENT
TOTAL NUMBER OF RESPONDENTS: 37
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	80	1.08	6.02	86.49
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	190	2.56	0.75	81.08
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	90	1.21	0.00	64.86
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	50	0.67	4.56	62.16
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	500	6.74	0.40	62.16
ELECTRICAL/ELECTRONI TECHNICIANS & TECHNOLOGISTS.....225053	240	3.23	0.00	59.46
INDUSTRIAL PRODUCTIO MANAGERS.....150143	90	1.21	0.00	56.76
ELECTRICAL & ELECTRONI ENGINEERS.....221263	240	3.23	0.60	51.35
PRODUCTION, PLANNING EXPEDITING CLERKS.....580083	100	1.35	0.00	51.35
MACHINISTS.....891083	130	1.75	0.00	51.35

MAINE
SIC 36 ELECTRONIC & OTHER ELECTRIC EQUIPMENT
BENCHMARK EMPLOYMENT: 7,390 TOTAL NUMBER OF RESPONDENTS: 37
REFERENCE DATE : June 12, 1992

OCCUPATION		EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL	000000	7,420	100.00	N.A.	N.A.	$12.00
MANAGERIAL & ADMINISTRATIVE	100003	420	5.66	N.A.	N.A.	27.70
FINANCIAL MANAGERS	130023	30	0.40	0.00	48.65	26.60
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS	130053	20	0.27	0.00	37.84	24.70
PURCHASING MANAGERS	130083	30	0.40	0.00	24.32	28.00
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS	130113	30	0.40	0.00	27.03	28.50
ADMINISTRATIVE MANAGERS	130143	20	0.27	0.00	16.22	26.50
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS	130173	80	1.08	0.00	37.84	30.30
INDUSTRIAL PRODUCTION MANAGERS	150143	90	1.21	0.00	56.76	26.10
GENERAL MANAGERS & TOP EXECUTIVES	190053	80	1.08	6.02	86.49	28.00
ALL OTHER MANAGERS & ADMINISTRATORS	199993	40	0.54	N.A.	N.A.	N.A.
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS	200003	1,330	17.92	N.A.	N.A.	17.80
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS	211003	40	0.54	N.A.	N.A.	15.90
ACCOUNTANTS & AUDITORS	211143	30	0.40	6.58	35.14	15.70
OTHER FINANCIAL SPECIALISTS	211993	10	0.13	N.A.	N.A.	16.60
PURCHASING AGENTS	213083	90	1.21	0.00	48.65	16.70
PERSONNEL, TRAINING & LABOR RELATIONS SPECIALISTS	215113	30	0.40	0.00	24.32	17.00
ALL OTHER MANAGEMENT SUPPORT	219993	20	0.27	N.A.	N.A.	14.40
ENGINEERS	221003	500	6.74	N.A.	N.A.	21.90
METALLURGISTS/METALLURGICAL, CERAMIC & MATERIALS ENGINEERS	221053	10	0.13	0.00	8.11	20.40
ELECTRICAL & ELECTRONIC ENGINEERS	221263	240	3.23	0.60	51.35	22.20
COMPUTER ENGINEERS	221273	60	0.81	0.00	10.81	22.90
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	221283	50	0.67	0.00	32.43	22.20
SAFETY ENGINEERS, EXCEPT MINING	221323	10	0.13	0.00	16.22	19.60
MECHANICAL ENGINEERS	221353	90	1.21	0.00	45.95	20.10
ALL OTHER ENGINEERS	221993	40	0.54	N.A.	N.A.	22.50
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225003	470	6.33	N.A.	N.A.	14.30
ELECTRICAL/ELECTRONIC TECHNICIANS & TECHNOLOGISTS	225053	240	3.23	0.00	59.46	14.20
MECHANICAL TECHNICIANS & TECHNOLOGISTS	225113	140	1.89	0.00	29.73	15.60
DRAFTERS	225143	20	0.27	0.00	24.32	15.60
OTHER ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	225993	70	0.94	N.A.	N.A.	11.70
PHYSICAL & LIFE SCIENCE TECHNICIANS & TECHNOLOGISTS	245003	30	0.40	N.A.	N.A.	11.10
OTHER PHYSICAL & LIFE SCIENCE TECHNICIANS & TECHNOLOGISTS	245993	30	0.40	N.A.	N.A.	11.10
COMPUTER SCIENTISTS & RELATED	251003	70	0.94	N.A.	N.A.	18.90

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 36 ELECTRONIC & OTHER ELECTRIC EQUIPMENT
BENCHMARK EMPLOYMENT: 7,390 TOTAL NUMBER OF RESPONDENTS: 37
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
SYSTEMS ANALYSTS....251023	30	0.40	0.00	16.22	$20.50
COMPUTER PROGRAMMERS....251053	30	0.40	0.00	29.73	17.90
OTHER COMPUTER SCIENTISTS & RELATED....251993	10	0.13	N.A.	N.A.	16.30
MATHEMATICAL SCIENTISTS & RELATED....253003	10	0.13	N.A.	N.A.	25.20
OTHER SYSTEMS RESEARCHERS....253993	10	0.13	N.A.	N.A.	25.20
HEALTH PRACTITIONERS, TECHNICIANS & TECHNOLOGISTS....320003	10	0.13	N.A.	N.A.	18.70
TECHNICAL WRITERS....340053	10	0.13	0.00	8.11	14.00
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS....399993	50	0.67	N.A.	N.A.	N.A.
SALES & RELATED OCCUPATIONS....400003	80	1.08	N.A.	N.A.	20.00
FIRST LINE SUPERVISORS, SALES & RELATED....410023	10	0.13	0.00	16.22	18.70
SALES ENGINEERS....490023	30	0.40	0.00	13.51	25.20
SALESPERSONS, SCIENTIFIC PRODUCTS & SERVICES....490053	20	0.27	6.15	18.92	19.00
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL....490083	10	0.13	0.00	10.81	11.30
ALL OTHER SALES & RELATED....499993	10	0.13	N.A.	N.A.	15.10
CLERICAL & ADMINISTRATIVE SUPPORT....500003	590	7.95	N.A.	N.A.	10.30
ADJUSTMENT CLERKS....531233	10	0.13	0.00	8.11	13.10
SECRETARIES, EXCEPT LEGAL & MEDICAL....551083	60	0.81	0.00	48.65	11.00
RECEPTIONISTS & INFORMATION CLERKS....553053	10	0.13	0.00	16.22	7.80
PERSONNEL CLERKS, EXCEPT PAYROLL & TIMEKEEPING....553143	20	0.27	0.00	32.43	12.20
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE....553233	10	0.13	0.00	21.62	8.60
PROCUREMENT CLERKS....553263	10	0.13	0.00	10.81	9.60
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS....553383	50	0.67	4.56	62.16	9.50
PAYROLL & TIMEKEEPING CLERKS....553413	20	0.27	0.00	29.73	10.00
GENERAL OFFICE CLERKS....553473	20	0.27	0.00	24.32	8.80
OFFICE MACHINE OPERATORS, DATA PROCESSORS....560003	30	0.40	N.A.	N.A.	10.70
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT....560113	10	0.13	0.00	13.51	11.40
PERIPHERAL EDP EQUIPMENT OPERATORS....560143	10	0.13	0.00	8.11	11.30
DATA ENTRY KEYERS, EXCEPT COMPOSING....560173	10	0.13	0.00	18.92	9.30
SWITCHBOARD OPERATORS....571023	10	0.13	0.00	24.32	9.90
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING....580003	300	4.04	N.A.	N.A.	10.10
PRODUCTION, PLANNING & EXPEDITING CLERKS....580083	100	1.35	0.00	51.35	11.50
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD....580233	100	1.35	0.00	48.65	9.40
TRAFFIC, SHIPPING, & RECEIVING CLERKS....580283	90	1.21	0.00	64.86	9.40
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING....580993	10	0.13	N.A.	N.A.	11.40
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT....599993	40	0.54	N.A.	N.A.	11.20

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MAINE
SIC 36 ELECTRONIC & OTHER ELECTRIC EQUIPMENT
BENCHMARK EMPLOYMENT: 7,390 TOTAL NUMBER OF RESPONDENTS: 37
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
SERVICE OCCUPATIONS.....600003	60	0.81	N.A.	N.A.	$ 9.20
JANITORS & CLEANERS.....670053	40	0.54	0.00	48.65	7.50
ALL OTHER SERVICE WORKERS.....699993	20	0.27	N.A.	N.A.	12.40
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	4,940	66.58	N.A.	N.A.	9.50
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	330	4.45	N.A.	N.A.	14.90
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	70	0.94	0.00	27.03	18.50
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	190	2.56	0.75	81.08	14.10
FIRST LINE SUPERVISORS, TRANSPORT/MOVING MACHINES.....810113	10	0.13	0.00	8.11	13.50
FIRST LINE SUPERVISORS, HELPERS/LABORERS/MOVERS-HAND.....810173	30	0.40	0.00	13.51	12.60
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	30	0.40	N.A.	N.A.	14.00
PRECISION INSPECTORS, TESTERS & GRADERS.....830023	40	0.54	0.00	27.03	9.60
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	500	6.74	0.40	62.16	8.80
MECHANICS, INSTALLERS & REPAIRERS.....850003	450	6.06	N.A.	N.A.	11.40
MACHINERY MAINTENANCE MECHANICS.....851103	340	4.58	0.00	37.84	11.10
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	60	0.81	0.00	45.95	11.60
OTHER ELECTRICAL/ELECTRONIC EQUIPMENT MECHANIC/INSTALL.....857993	30	0.40	N.A.	N.A.	13.30
OTHER MECHANICS, INSTALLERS & REPAIRERS.....859993	20	0.27	N.A.	N.A.	12.40
CONSTRUCTION TRADE WORKERS, EXCEPT MATERIAL MOVING.....870003	10	0.13	N.A.	N.A.	14.10
ELECTRICIANS.....872023	10	0.13	0.00	16.22	14.10
OTHER CONSTRUCTION & EXTRACTIVE, EXCEPT HELPERS.....879993	10	0.13	N.A.	N.A.	13.60
PRECISION METAL WORKERS.....891003	180	2.43	N.A.	N.A.	12.70
TOOL & DIE MAKERS.....891023	40	0.54	0.00	27.03	15.70
MACHINISTS.....891083	130	1.75	0.00	51.35	12.10
SHEET METAL WORKERS.....891323	10	0.13	0.00	8.11	9.00
PRECISION WORKERS, NEC.....899003	10	0.13	N.A.	N.A.	10.80
OTHER PRECISION WORKERS, NEC.....899993	10	0.13	N.A.	N.A.	10.80
MACHINE TOOL CUTTING SETTERS, METAL/PLASTIC.....911003	10	0.13	N.A.	N.A.	10.30
LATHE TOOL SETTERS.....911053	10	0.13	0.00	8.11	10.30
MACHINE FORMING SETTERS, OPERATORS, METAL/PLASTIC.....913003	40	0.54	N.A.	N.A.	9.30
PUNCHING MACHINE SETTERS, OPERATORS, METAL/PLASTIC.....913023	20	0.27	0.00	8.11	9.10
PRESS & PRESS BRAKE MACHINE SETTERS, METAL/PLASTIC.....913053	20	0.27	0.00	16.22	9.40
METAL FABRICATING MACHINE SETTERS, OPERATORS.....917003	50	0.67	N.A.	N.A.	11.00
WELDING MACHINE OPERATORS.....917053	50	0.67	0.00	8.11	11.00
METAL & PLASTIC PROCESSING MACHINE SETTERS & OPERATORS.....919003	170	2.29	N.A.	N.A.	8.40
PLASTIC MOLDING/CASTING MACHINE OPERATORS.....919053	160	2.16	0.00	13.51	8.30

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MAINE
SIC 36 ELECTRONIC & OTHER ELECTRIC EQUIPMENT
BENCHMARK EMPLOYMENT: 7,390 TOTAL NUMBER OF RESPONDENTS: 37
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
HEATING/ANNEALING/TEMPERING MACHINE OPERATORS.....919323	10	0.13	0.00	8.11	$ 9.20
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS.....921003	180	2.43	N.A.	N.A.	9.60
ALL OTHER MACHINE SETTERS, METAL/PLASTIC.....921973	70	0.94	N.A.	N.A.	10.50
ALL OTHER MACHINE OPERATORS, METAL/PLASTIC.....921983	110	1.48	N.A.	N.A.	9.00
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	830	11.19	N.A.	N.A.	10.00
COATING, PAINTING & SPRAYING MACHINE SETTERS.....929513	10	0.13	0.00	10.81	9.10
COATING, PAINTING & SPRAYING MACHINE OPERATORS.....929533	20	0.27	0.00	8.11	7.30
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC.....929973	380	5.12	N.A.	N.A.	9.60
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	420	5.66	N.A.	N.A.	10.60
FABRICATORS & PRECISION ASSEMBLERS, METAL.....931003	410	5.53	N.A.	N.A.	8.70
ELECTRICAL/ELECTRONIC EQUIPMENT ASSEMBLERS, PRECISION.....931143	390	5.26	2.34	35.14	8.50
OTHER PRECISION ASSEMBLERS.....931973	20	0.27	N.A.	N.A.	11.30
OTHER HAND WORKERS, NEC.....939003	1,680	22.64	N.A.	N.A.	7.70
ELECTRICAL & ELECTRONIC ASSEMBLERS.....939053	970	13.07	0.67	45.95	7.70
COIL WINDERS, TAPERS & FINISHERS.....939083	20	0.27	0.00	8.11	7.50
WELDERS & CUTTERS.....939143	30	0.40	0.00	10.81	10.30
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION.....939563	310	4.18	0.98	24.32	8.50
OTHER HAND WORKERS, NEC.....939993	350	4.72	N.A.	N.A.	6.60
PLANT & SYSTEM WORKERS.....950003	10	0.13	N.A.	N.A.	10.50
MATERIAL MOVING EQUIPMENT OPERATORS.....979003	10	0.13	N.A.	N.A.	13.30
OTHER MATERIAL MOVING EQUIPMENT OPERATORS.....979893	10	0.13	N.A.	N.A.	13.30
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	20	0.27	N.A.	N.A.	9.70
FREIGHT, STOCK & MATERIAL MOVERS, HAND.....987003	10	0.13	N.A.	N.A.	9.90
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	10	0.13	N.A.	N.A.	9.50

N.A. - not available or not calculated

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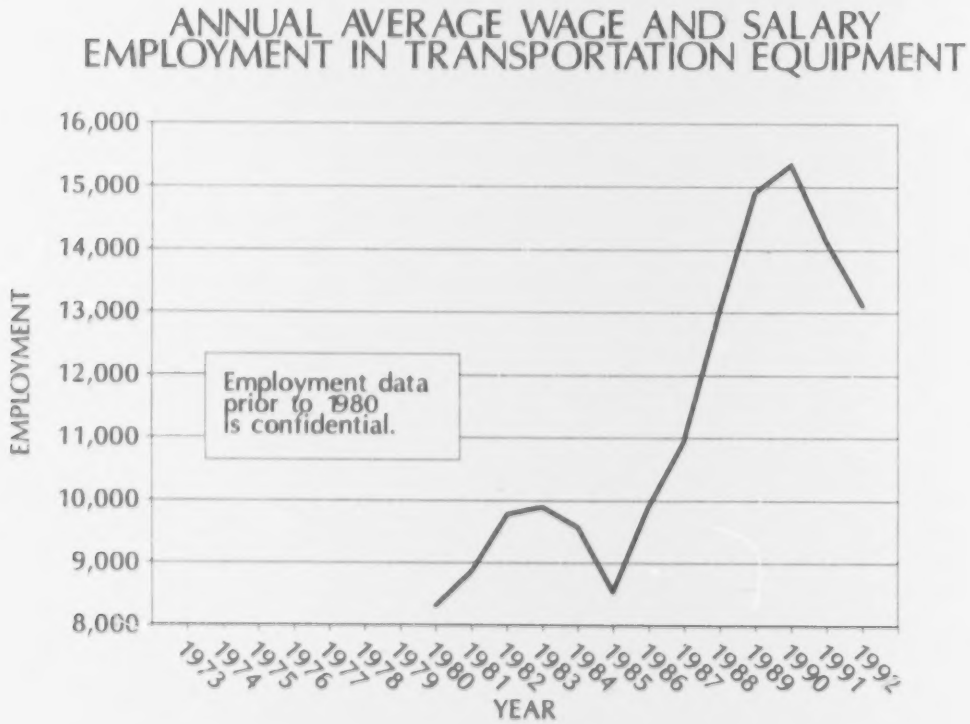
Data for confidential occupations has been combined with the appropriate "All Other" categories.

TRANSPORTATION EQUIPMENT
SIC 37

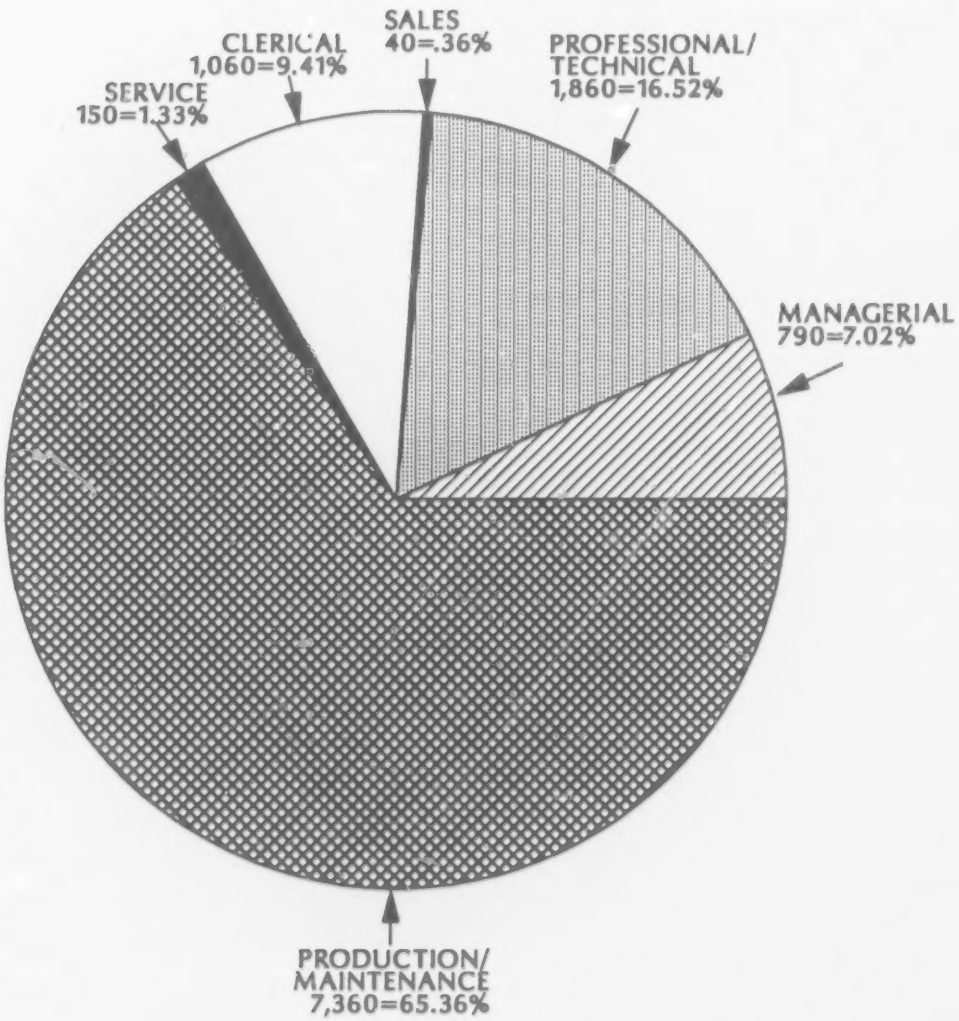
This major industry group includes establishments engaged in manufacturing equipment for transportation of passengers and cargo by land, air, and water. Products produced by establishments classified in this major group include motor vehicles, aircraft, guided missiles and space vehicles, ships, boats, railroad equipment, and miscellaneous transportation equipment, such as motorcycles, bicycles, and snowmobiles.

Except for a decline between 1983 and 1985, employment in this industry has shown dramatic growth from 1980 to 1990, adding 7,100 workers, or 40.1 percent, reaching a high of 15,400 workers. But then in the 2-year period between 1990 and 1992, employment dropped by 2,300 employees, or 14.9 percent, ending this period with 13,100 workers. A major factor in this employment decline is the scale back of defense related activities.

In 1992, total wages paid to employees in the transportation equipment industry equaled $421.5 million. The average annual wage per worker was $32,285. This average wage was 17.9 percent higher than the $27,384 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN TRANSPORTATION EQUIPMENT, EXCEPT AIRCRAFT AND PARTS



TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 37 TRANSPORTATION EQUIPMENT (EXCEPT SIC 372 - AIRCRAFTS AND PARTS)
TOTAL NUMBER OF RESPONDENTS: 26
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PLUMBERS, PIPEFITTERS STEAMFITTERS.....875023	860	7.64	0.23	15.38
DRAFTERS.....225143	670	5.95	0.39	15.38
WELDERS & CUTTERS.....939143	660	5.86	2.45	30.77
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	590	5.24	2.64	46.15
PRODUCTION, PLANNING EXPEDITING CLERKS.....580083	430	3.82	2.21	15.38
CARPENTERS.....871023	430	3.82	15.65	42.31
MACHINISTS.....891083	390	3.46	4.97	42.31
INDUSTRIAL PRODUCTIO MANAGERS.....150143	270	2.40	3.43	38.46
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECT IC/PRECISION.....939563	260	2.31	1.60	46.15
MECHANICAL ENGINEERS.....221353	250	2.22	7.49	26.92
TOTAL	4,810	42.72		

TOP 11 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 37 TRANSPORTATION EQUIPMENT (EXCEPT SIC 372 - AIRCRAFTS AND PARTS)
TOTAL NUMBER OF RESPONDENTS: 26
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	140	1.24	3.24	84.62
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	50	0.44	15.09	61.54
SECRETARIES, EXCEPT LEGA & MEDICAL.....551083	140	1.24	9.45	46.15
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	590	5.24	2.64	46.15
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	260	2.31	1.60	46.15
CARPENTERS.....871023	430	3.82	15.65	42.31
MACHINISTS.....891083	390	3.46	4.97	42.31
INDUSTRIAL PRODUCTIO MANAGERS.....150143	270	2.40	3.43	38.46
GENERAL OFFICE CLERKS.....553473	170	1.51	1.01	34.62
JANITORS & CLEANERS.....670053	60	0.53	5.02	30.77
WELDERS & CUTTERS.....939143	660	5.86	2.45	30.77

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MAINE
SIC 37 TRANSPORTATION EQUIPMENT (EXCEPT SIC 372 - AIRCRAFTS AND PARTS)
BENCHMARK EMPLOYMENT: 11,300 TOTAL NUMBER OF RESPONDENTS: 26
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	11,260	100.00	N.A.	N.A.	$13.90
MANAGERIAL & ADMINISTRATIVE.....100003	790	7.02	N.A.	N.A.	22.50
FINANCIAL MANAGERS.....130023	30	0.27	0.00	19.23	23.70
PERSONNEL, TRAINING & LABOR RELATIONS MANAGERS.....130053	40	0.36	0.00	11.54	25.70
PURCHASING MANAGERS.....130083	90	0.80	0.00	15.38	20.10
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS.....130113	20	0.18	0.00	11.54	24.20
ADMINISTRATIVE MANAGERS.....130143	30	0.27	0.00	11.54	22.30
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS.....130173	160	1.42	0.00	19.23	23.00
INDUSTRIAL PRODUCTION MANAGERS.....150143	270	2.40	3.43	38.46	22.50
GENERAL MANAGERS & TOP EXECUTIVES.....190053	140	1.24	3.24	84.62	22.60
ALL OTHER MANAGERS & ADMINISTRATORS.....199993	10	0.09	N.A.	N.A.	14.10
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	1,860	16.52	N.A.	N.A.	16.10
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS.....211003	50	0.44	N.A.	N.A.	15.10
ACCOUNTANTS & AUDITORS.....211143	10	0.09	0.00	11.54	17.00
OTHER FINANCIAL SPECIALISTS.....211993	40	0.36	N.A.	N.A.	14.40
PURCHASING AGENTS.....213083	90	0.80	2.51	23.08	15.40
PERSONNEL, TRAINING & LABOR RELATIONS SPECIALISTS.....215113	60	0.53	0.00	11.54	15.70
ALL OTHER MANAGEMENT SUPPORT.....219993	40	0.36	N.A.	N.A.	17.00
ENGINEERS.....221003	380	3.37	N.A.	N.A.	18.00
MECHANICAL ENGINEERS.....221353	250	2.22	7.49	26.92	18.40
ALL OTHER ENGINEERS.....221993	130	1.15	N.A.	N.A.	17.30
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....225003	1,050	9.33	N.A.	N.A.	15.20
DRAFTERS.....225143	670	5.95	0.39	15.38	14.50
OTHER ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....225993	380	3.37	N.A.	N.A.	16.30
PHYSICAL & LIFE SCIENCE TECHNICIANS & TECHNOLOGISTS.....245003	140	1.24	N.A.	N.A.	18.70
COMPUTER SCIENTISTS & RELATED.....251003	20	0.18	N.A.	N.A.	14.10
OTHER COMPUTER SCIENTISTS & RELATED.....251993	20	0.18	N.A.	N.A.	14.10
HEALTH PRACTITIONERS, TECHNICIANS & TECHNOLOGISTS.....320003	10	0.09	N.A.	N.A.	14.60
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS.....399993	20	0.18	N.A.	N.A.	16.60
SALES & RELATED OCCUPATIONS.....400003	40	0.36	N.A.	N.A.	12.80
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL.....490083	20	0.18	0.00	26.92	12.70
ALL OTHER SALES & RELATED.....499993	20	0.18	N.A.	N.A.	13.00
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	1,060	9.41	N.A.	N.A.	12.50

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 37 TRANSPORTATION EQUIPMENT (EXCEPT SIC 372 - AIRCRAFTS AND PARTS)
BENCHMARK EMPLOYMENT: 11,300 TOTAL NUMBER OF RESPONDENTS: 26
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	30	0.27	25.77	23.08	$13.20
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	140	1.24	9.45	46.15	11.00
RECEPTIONISTS & INFORMATION CLERKS.....553053	10	0.09	0.00	11.54	8.70
PROCUREMENT CLERKS.....553263	20	0.18	0.00	15.38	10.80
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	50	0.44	15.09	61.54	10.10
PAYROLL & TIMEKEEPING CLERKS.....553413	20	0.18	0.00	11.54	10.80
GENERAL OFFICE CLERKS.....553473	170	1.51	1.01	34.62	10.50
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	20	0.18	N.A.	N.A.	10.70
OTHER OFFICE MACHINE OPERATORS.....560993	20	0.18	N.A.	N.A.	10.70
OTHER COMMUNICATIONS EQUIPMENT OPERATORS.....571993	10	0.09	N.A.	N.A.	10.20
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	560	4.97	N.A.	N.A.	13.90
PRODUCTION, PLANNING & EXPEDITING CLERKS.....580083	430	3.82	2.21	15.38	14.70
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	100	0.89	3.64	23.08	11.90
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	30	0.27	0.00	26.92	8.80
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	30	0.27	N.A.	N.A.	14.20
SERVICE OCCUPATIONS.....600003	150	1.33	N.A.	N.A.	12.00
GUARDS & WATCH GUARDS.....630473	80	0.71	3.35	19.23	12.10
JANITORS & CLEANERS.....670053	60	0.53	5.02	30.77	12.00
ALL OTHER SERVICE WORKERS.....699993	10	0.09	N.A.	N.A.	11.50
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	7,360	65.36	N.A.	N.A.	12.70
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	620	5.51	N.A.	N.A.	16.30
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	10	0.09	22.36	15.38	12.80
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	590	5.24	2.64	46.15	16.60
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN.....810993	20	0.18	N.A.	N.A.	11.80
PRECISION INSPECTORS, TESTERS & GRADERS.....830023	20	0.18	0.00	11.54	13.10
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	30	0.27	0.00	23.08	10.70
MECHANICS, INSTALLERS & REPAIRERS.....850003	320	2.84	N.A.	N.A.	13.00
MACHINERY MAINTENANCE MECHANICS.....851103	70	0.62	9.07	23.08	13.20
MACHINERY MAINTENANCE WORKERS.....851283	10	0.09	0.00	11.54	11.50
OTHER MOBILE EQUIPMENT MECHANICS/INSTALL/REPAIR.....853993	10	0.09	N.A.	N.A.	11.00
OTHER ELECTRICAL/ELECTRONIC EQUIPMENT MECHANIC/INSTALL.....857993	20	0.18	N.A.	N.A.	17.60
RIGGERS.....859353	120	1.07	7.71	15.38	12.90
OTHER MECHANICS, INSTALLERS & REPAIRERS.....859993	90	0.80	N.A.	N.A.	12.60
CONSTRUCTION TRADE WORKERS, EXCEPT MATERIAL MOVING.....870003	1,760	15.63	N.A.	N.A.	12.70
CARPENTERS.....871023	430	3.82	15.65	42.31	12.00

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 37 TRANSPORTATION EQUIPMENT (EXCEPT SIC 372 - AIRCRAFTS AND PARTS)
BENCHMARK EMPLOYMENT: 11,300 TOTAL NUMBER OF RESPONDENTS: 26
REFERENCE DATE : June 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
ELECTRICIANS.....872023	20	0.18	16.67	23.08	$12.70
PAINTERS & PAPERHANGERS, CONSTRUCTION & MAINTENANCE.....874023	50	0.44	23.57	26.92	10.70
PLUMBERS, PIPEFITTERS & STEAMFITTERS.....875023	860	7.64	0.23	15.38	13.10
ALL OTHER CONSTRUCTION TRADES.....878993	400	3.55	N.A.	N.A.	13.00
PRECISION METAL WORKERS.....891003	1,140	10.12	N.A.	N.A.	12.90
MACHINISTS.....891083	390	3.46	4.97	42.31	12.80
OTHER PRECISION METAL WORKERS.....891993	750	6.66	N.A.	N.A.	12.90
NUMERICAL/COMBINATION MACHINE TOOL SETTERS, METAL/PLASTIC.....915003	30	0.27	N.A.	N.A.	10.50
NUMERICAL CONTROL MACHINE TOOL OPERATORS, METAL/PLASTIC.....915023	30	0.27	0.00	11.54	10.50
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS.....921003	520	4.62	N.A.	N.A.	11.90
ALL OTHER MACHINE SETTERS, METAL/PLASTIC.....921973	50	0.44	N.A.	N.A.	9.90
ALL OTHER MACHINE OPERATORS, METAL/PLASTIC.....921983	470	4.17	N.A.	N.A.	12.10
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	170	1.51	N.A.	N.A.	13.20
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	170	1.51	N.A.	N.A.	13.20
FABRICATORS & PRECISION ASSEMBLERS, METAL.....931003	850	7.55	N.A.	N.A.	13.30
OTHER PRECISION ASSEMBLERS.....931973	850	7.55	N.A.	N.A.	13.30
OTHER HAND WORKERS, NEC.....939003	1,220	10.83	N.A.	N.A.	11.10
WELDERS & CUTTERS.....939143	660	5.86	2.45	30.77	10.90
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION.....939563	260	2.31	1.60	46.15	10.50
OTHER HAND WORKERS, NEC.....939993	300	2.66	N.A.	N.A.	11.80
PLANT & SYSTEM WORKERS.....950003	10	0.09	N.A.	N.A.	13.00
OTHER PLANT & SYSTEM OPERATORS.....950993	10	0.09	N.A.	N.A.	13.00
MOTOR VEHICLE OPERATORS.....971003	30	0.27	N.A.	N.A.	12.60
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER.....971023	30	0.27	18.14	19.23	12.60
MATERIAL MOVING EQUIPMENT OPERATORS.....979003	100	0.89	N.A.	N.A.	12.90
INDUSTRIAL TRUCK & TRACTOR OPERATORS.....979473	50	0.44	0.00	11.54	12.70
OTHER MATERIAL MOVING EQUIPMENT OPERATORS.....979893	50	0.44	N.A.	N.A.	13.20
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	540	4.80	N.A.	N.A.	11.80
FREIGHT, STOCK & MATERIAL MOVERS, HAND.....987003	20	0.18	N.A.	N.A.	7.40
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND.....989993	520	4.62	N.A.	N.A.	12.00

N.A. - not available or not calculated

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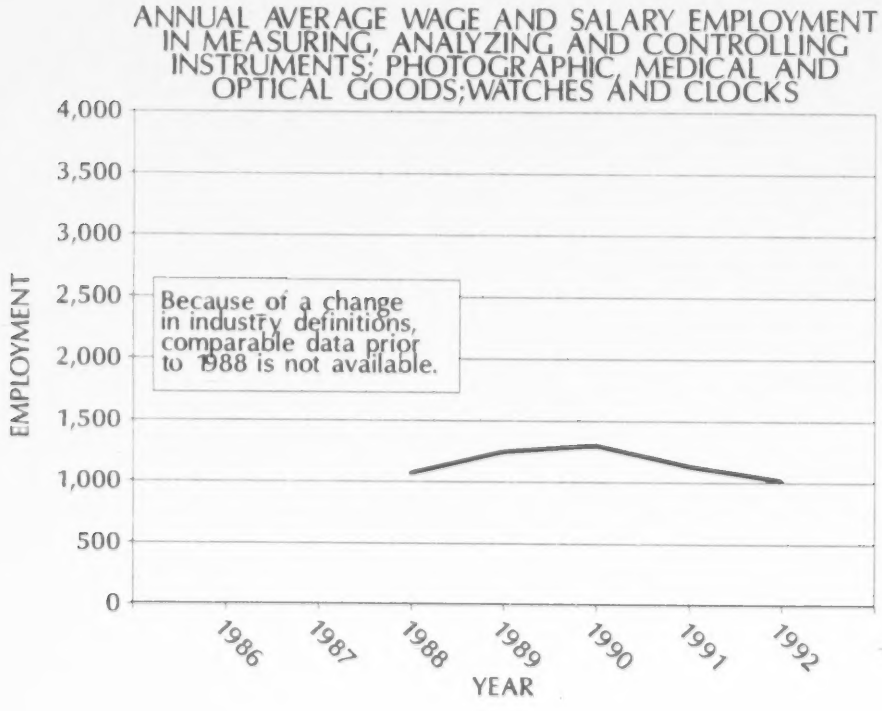
Data for confidential occupations has been combined with the appropriate "All Other" categories.

MEASURING, ANALYZING, AND CONTROLLING INSTRUMENTS; PHOTOGRAPHIC, MEDICAL AND OPTICAL GOODS; WATCHES AND CLOCKS
SIC 38

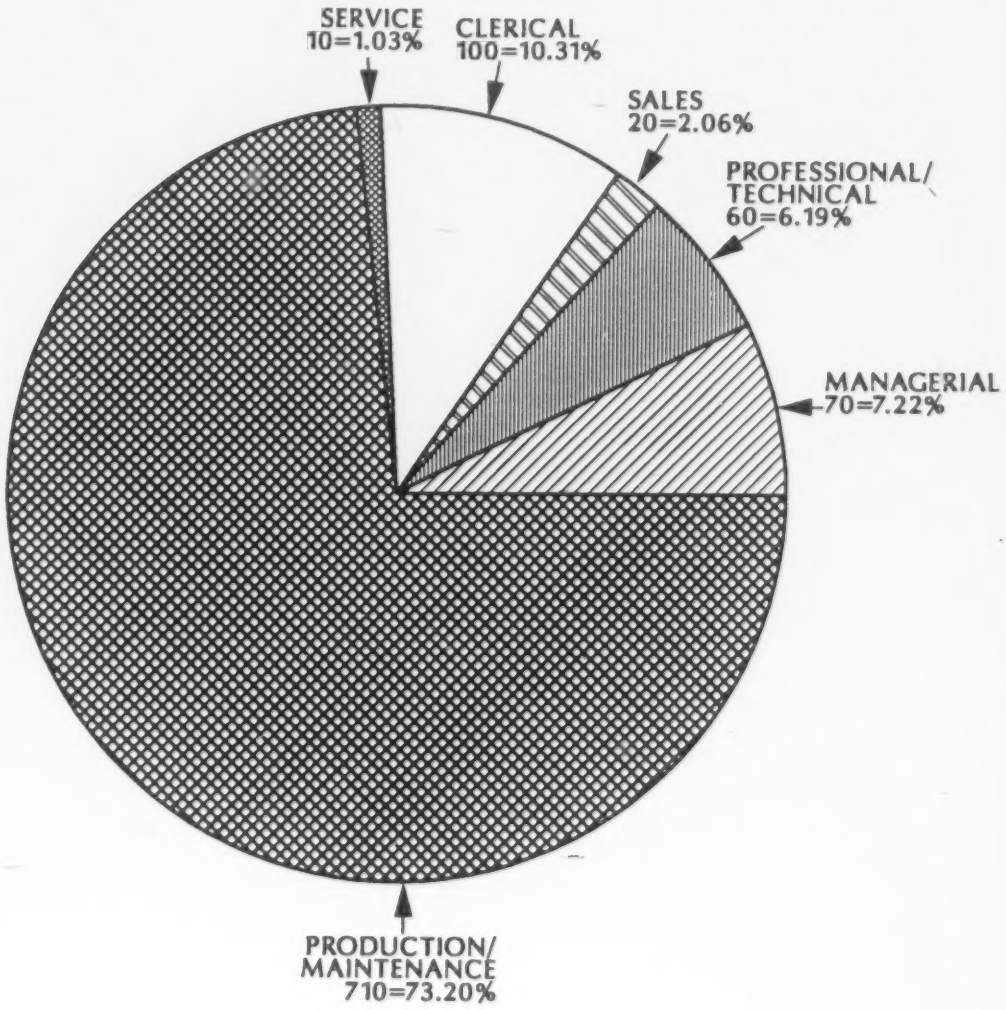
This major industry group includes establishments engaged in manufacturing instruments (including professional and scientific) for measuring, testing, analyzing, and controlling, and their associated sensors and accessories; optical instruments and lenses; surveying and drafting instruments; hydrological, hydrographic, meteorological, and geophysical equipment; search, detection, navigation, and guidance systems and equipment; surgical, medical, and dental instruments, equipment, and supplies; ophthalmic goods; photograph equipment and supplies; and watches and clocks.

Employment in this industry increased each year between 1988 and 1990, then declined each year between 1990 and 1992, ending this 4-year period with a low of 1,000 workers, just 10 percent below the 1988 employment level. Because of an industry definition revision in 1988, employment data prior to this date is not comparable.

In 1992, total wages paid to employees in the instruments and related industry equaled $20.8 million. The average annual wage per worker was $20,861. This average wage was 6.1 percent higher than the $19,653 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN MEASURING, ANALYZING, AND CONTROLLING INSTRUMENTS; PHOTOGRAPHIC, MEDICAL, AND OPTICAL GOODS; WATCHES AND CLOCKS



TOP 5 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 38 INSTRUMENTS AND RELATED PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 16
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
HAND PACKERS & PACKAGERS.....989023	170	17.53	0.00	31.25
ELECTRICAL & ELECTRONI ASSEMBLERS.....939053	110	11.34	0.88	25.00
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	30	3.09	0.00	43.75
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	30	3.09	0.00	18.75
GENERAL MANAGERS & TO EXECUTIVES.....190053	20	2.06	5.26	68.75
TOTAL	360	37.11		

TOP 11 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 38 INSTRUMENTS AND RELATED PRODUCTS
TOTAL NUMBER OF RESPONDENTS: 16
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	20	2.06	5.26	68.75
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	10	1.03	0.00	43.75
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	10	1.03	0.00	43.75
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	30	3.09	0.00	43.75
FINANCIAL MANAGERS.....130023	10	1.03	0.00	37.50
INDUSTRIAL PRODUCTIO MANAGERS.....150143	10	1.03	0.00	37.50
PURCHASING AGENTS.....213083	10	1.03	0.00	37.50
GENERAL OFFICE CLERKS.....553473	10	1.03	0.00	37.50
ELECTRICAL & ELECTRONI ENGINEERS.....221263	10	1.03	0.00	31.25
ELECTRICAL/ELECTRONI TECHNICIANS & TECHNOLOGISTS.....225053	10	1.03	0.00	31.25
HAND PACKERS & PACKAGERS.....989023	170	17.53	0.00	31.25

MAINE
SIC 38 INSTRUMENTS AND RELATED PRODUCTS
BENCHMARK EMPLOYMENT: 950 TOTAL NUMBER OF RESPONDENTS: 16
REFERENCE DATE : April 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	970	100.00	N.A.	N.A.	$ 9.30
MANAGERIAL & ADMINISTRATIVE.....100003	70	7.22	N.A.	N.A.	20.40
FINANCIAL MANAGERS.....130023	10	1.03	0.00	37.50	22.80
OTHER ADMINISTRATIVE MANAGERS.....130993	20	2.06	N.A.	N.A.	18.20
INDUSTRIAL PRODUCTION MANAGERS.....150143	10	1.03	0.00	37.50	19.60
GENERAL MANAGERS & TOP EXECUTIVES.....190053	20	2.06	5.26	68.75	25.70
ALL OTHER MANAGERS & ADMINISTRATORS.....199993	10	1.03	N.A.	N.A.	11.00
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	60	6.19	N.A.	N.A.	13.80
PURCHASING AGENTS.....213083	10	1.03	0.00	37.50	10.40
ENGINEERS.....221003	20	2.06	N.A.	N.A.	16.50
ELECTRICAL & ELECTRONIC ENGINEERS.....221263	10	1.03	0.00	31.25	15.60
ALL OTHER ENGINEERS.....221993	10	1.03	N.A.	N.A.	17.20
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....225003	20	2.06	N.A.	N.A.	11.40
ELECTRICAL/ELECTRONIC TECHNICIANS & TECHNOLOGISTS.....225053	10	1.03	0.00	31.25	10.30
OTHER ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....225993	10	1.03	N.A.	N.A.	12.80
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS.....399993	10	1.03	N.A.	N.A.	16.10
SALES & RELATED OCCUPATIONS.....400003	20	2.06	N.A.	N.A.	16.00
SALESPERSONS, SCIENTIFIC PRODUCTS & SERVICES.....490053	10	1.03	0.00	18.75	15.80
ALL OTHER SALES & RELATED.....499993	10	1.03	N.A.	N.A.	16.10
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	100	10.31	N.A.	N.A.	9.40
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	10	1.03	14.29	25.00	11.60
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE.....553233	10	1.03	9.09	25.00	8.10
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	10	1.03	0.00	43.75	10.30
GENERAL OFFICE CLERKS.....553473	10	1.03	0.00	37.50	7.00
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	10	1.03	N.A.	N.A.	9.40
OTHER OFFICE MACHINE OPERATORS.....560993	10	1.03	N.A.	N.A.	9.40
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	30	3.09	N.A.	N.A.	9.50
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	10	1.03	0.00	18.75	8.40
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	10	1.03	0.00	43.75	8.20
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING.....580993	10	1.03	N.A.	N.A.	11.70
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	20	2.06	N.A.	N.A.	9.40
SERVICE OCCUPATIONS.....600003	10	1.03	N.A.	N.A.	8.10

N.A. - not available or not calculated

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Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 38 INSTRUMENTS AND RELATED PRODUCTS
BENCHMARK EMPLOYMENT: 950 TOTAL NUMBER OF RESPONDENTS: 16
REFERENCE DATE : April 12, 1992

OCCUPATION		EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
OTHER PROTECTIVE SERVICE	630993	10	1.03	N.A.	N.A.	$ 8.10
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING	800003	710	73.20	N.A.	N.A.	7.80
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED	810003	20	2.06	N.A.	N.A.	10.40
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING	810083	10	1.03	0.00	25.00	8.00
OTHER FIRST LINE SUPERVISORS, PRODUCT/CONSTRUCT/MAINTAIN	810993	10	1.03	N.A.	N.A.	12.50
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH	830053	30	3.09	0.00	43.75	8.60
MECHANICS, INSTALLERS & REPAIRERS	850003	20	2.06	N.A.	N.A.	11.10
MAINTENANCE REPAIRERS, GENERAL UTILITY	851323	10	1.03	0.00	18.75	11.30
OTHER MECHANICS, INSTALLERS & REPAIRERS	859993	10	1.03	N.A.	N.A.	10.90
PRECISION WORKERS, NEC	899003	20	2.06	N.A.	N.A.	12.80
OTHER PRECISION WORKERS, NEC	899993	20	2.06	N.A.	N.A.	12.80
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS	921003	30	3.09	N.A.	N.A.	8.70
ALL OTHER MACHINE SETTERS, METAL/PLASTIC	921973	20	2.06	N.A.	N.A.	8.10
ALL OTHER MACHINE OPERATORS, METAL/PLASTIC	921983	10	1.03	N.A.	N.A.	9.80
OTHER MACHINE SETTERS, OPERATORS & TENDERS	929003	10	1.03	N.A.	N.A.	9.80
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC	929973	10	1.03	N.A.	N.A.	9.80
FABRICATORS & PRECISION ASSEMBLERS, METAL	931003	20	2.06	N.A.	N.A.	6.50
OTHER PRECISION ASSEMBLERS	931973	20	2.06	N.A.	N.A.	6.50
OTHER HAND WORKERS, NEC	939003	170	17.53	N.A.	N.A.	7.00
ELECTRICAL & ELECTRONIC ASSEMBLERS	939053	110	11.34	0.88	25.00	5.50
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION	939563	30	3.09	0.00	18.75	9.70
OTHER HAND WORKERS, NEC	939993	30	3.09	N.A.	N.A.	9.90
HELPERS, LABORERS & MATERIAL MOVERS, HAND	980003	380	39.18	N.A.	N.A.	7.50
FREIGHT, STOCK & MATERIAL MOVERS, HAND	987003	30	3.09	N.A.	N.A.	8.40
HAND PACKERS & PACKAGERS	989023	170	17.53	0.00	31.25	7.40
OTHER HELPERS, LABORERS & MATERIAL MOVERS, HAND	989993	180	18.56	N.A.	N.A.	7.40
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING	999993	10	1.03	N.A.	N.A.	7.90

N.A. - not available or not calculated

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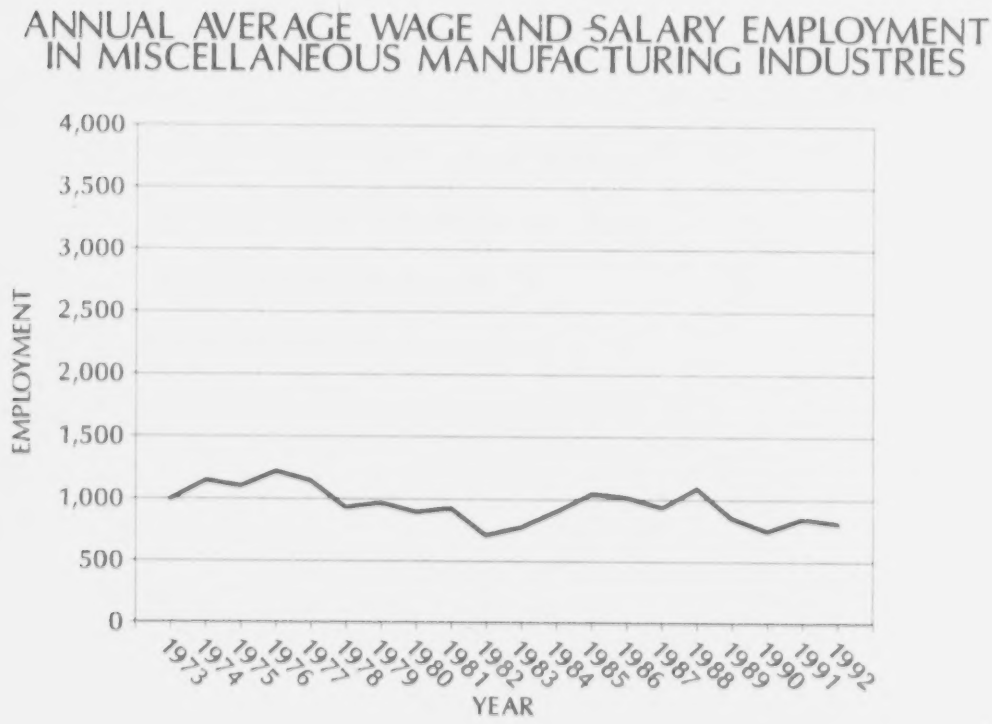
Data for confidential occupations has been combined with the appropriate "All Other" categories.

MISCELLANEOUS MANUFACTURING INDUSTRIES
SIC 39

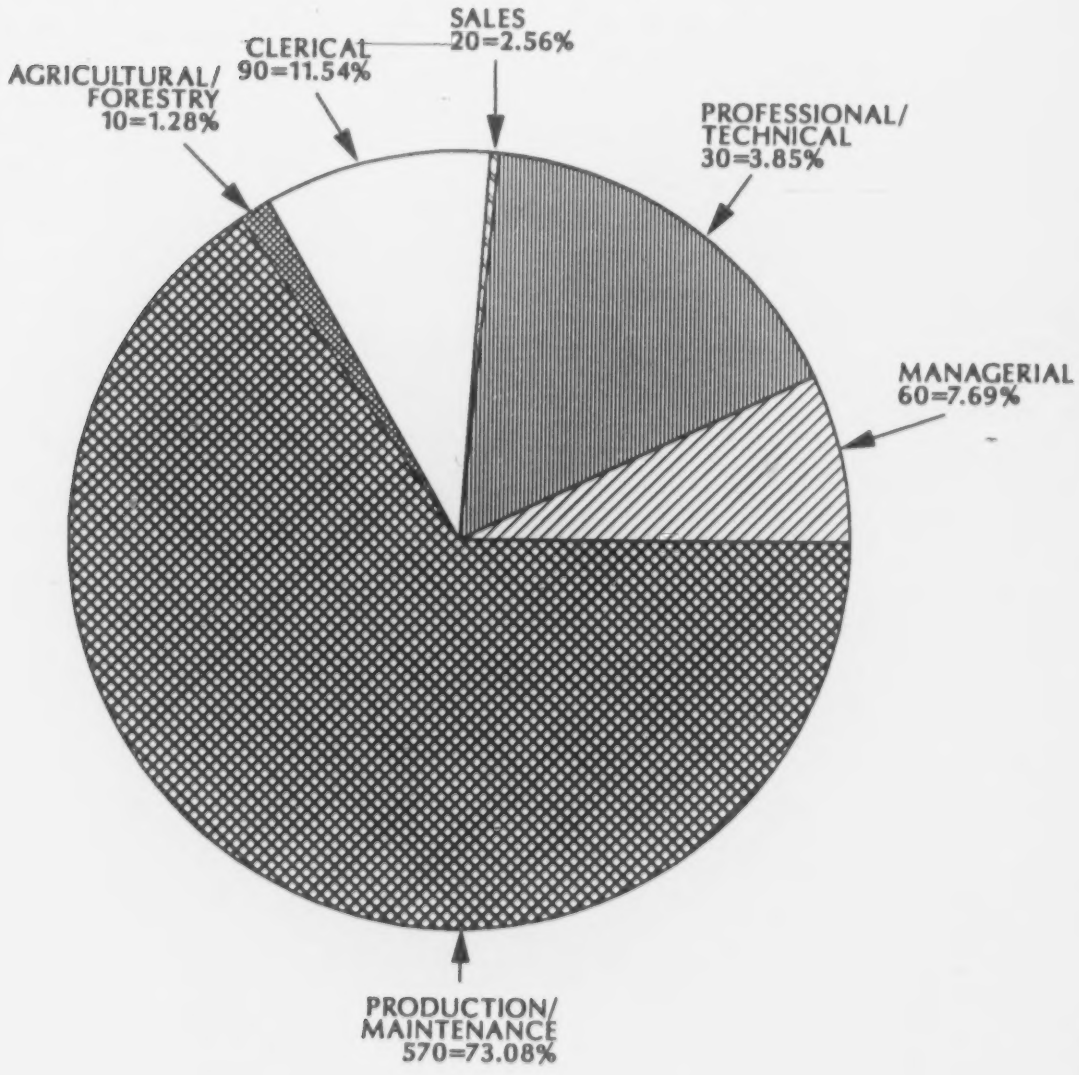
This major industry group includes establishments primarily engaged in manufacturing products not classified in any other manufacturing major group. Industries in this group fall into the following categories: jewelry, silverware, and plated ware; musical instruments; dolls, toys, games, and sporting and athletic goods; pens, pencils, and artists' materials; buttons, costume novelties, and miscellaneous notions; brooms and brushes; caskets; and other miscellaneous manufacturing industries.

Employment in this industry has fluctuated from 1,000 workers in 1973, up to a high of 1,200 in 1976, down to a low of 700 in 1982, then ended this 19-year period with 800 workers, 20 percent below where it started.

In 1992, total wages paid to employees in miscellaneous manufacturing industries equaled $13.5 million. The average annual wage per worker was $15,982. This average wage was 2.6 percent higher than the $15,582 annual average wage for this industry's workers in 1989.



ANNUAL AVERAGE WAGE AND SALARY EMPLOYMENT BY MAJOR CATEGORIES IN MISCELLANEOUS MANUFACTURING INDUSTRIES



TOP 5 OCCUPATIONS BY ESTIMATED EMPLOYMENT
MAINE
SIC 39 MISCELLANEOUS MANUFACTURING INDUSTRIE
TOTAL NUMBER OF RESPONDENTS: 26
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	170	21.79	8.00	50.00
GENERAL MANAGERS & TO EXECUTIVES.....190053	40	5.13	10.06	61.54
JEWELERS & SILVERSMITHS.....891233	40	5.13	17.09	15.38
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	30	3.85	9.07	42.31
PRODUCTION INSPECTORS TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	30	3.85	0.00	11.54
TOTAL	310	39.74		

TOP 11 OCCUPATIONS BY FIRMS REPORTING
MAINE
SIC 39 MISCELLANEOUS MANUFACTURING INDUSTRIE
TOTAL NUMBER OF RESPONDENTS: 26
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
GENERAL MANAGERS & TO EXECUTIVES.....190053	40	5.13	10.06	61.54
ASSEMBLERS/FABRICATORS EXCEP MACHINE/ELECTRONIC/PRECISION.....939563	170	21.79	8.00	50.00
FIRST LINE SUPERVISORS PRODUCTION & OPERATING.....810083	30	3.85	9.07	42.31
GENERAL OFFICE CLERKS.....553473	20	2.56	0.00	38.46
TRAFFIC, SHIPPING, RECEIVING CLERKS.....580283	20	2.56	0.00	38.46
INDUSTRIAL PRODUCTIO MANAGERS.....150143	20	2.56	14.41	30.77
DESIGNERS, EXCEPT INTERIOR.....340383	20	2.56	22.11	30.77
BOOKKEEPING, ACCOUNTING AUDITING CLERKS.....553383	10	1.28	29.45	30.77
SALESPERSONS, EXCEP SCIENTIFIC & RETAIL.....490083	10	1.28	0.00	19.23
CABINETMAKERS & BENC CARPENTERS.....893113	20	2.56	23.39	19.23
HAND PACKERS & PACKAGERS.....989023	20	2.56	0.00	19.23

MAINE
SIC 39 MISCELLANEOUS MANUFACTURING INDUSTRIE
BENCHMARK EMPLOYMENT: 770 TOTAL NUMBER OF RESPONDENTS: 26
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
TOTAL.....000000	780	100.00	N.A.	N.A.	$ 8.70
MANAGERIAL & ADMINISTRATIVE.....100003	60	7.69	N.A.	N.A.	16.60
INDUSTRIAL PRODUCTION MANAGERS.....150143	20	2.56	14.41	30.77	13.00
GENERAL MANAGERS & TOP EXECUTIVES.....190053	40	5.13	10.06	61.54	18.20
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....200003	30	3.85	N.A.	N.A.	14.50
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....225003	10	1.28	N.A.	N.A.	20.20
DRAFTERS.....225143	10	1.28	0.00	11.54	20.20
DESIGNERS, EXCEPT INTERIOR.....340383	20	2.56	22.11	30.77	12.40
SALES & RELATED OCCUPATIONS.....400003	20	2.56	N.A.	N.A.	10.80
SALESPERSONS, EXCEPT SCIENTIFIC & RETAIL.....490083	10	1.28	0.00	19.23	13.00
ALL OTHER SALES & RELATED.....499993	10	1.28	N.A.	N.A.	8.50
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	90	11.54	N.A.	N.A.	7.90
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	10	1.28	0.00	15.38	9.00
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	10	1.28	29.45	30.77	9.20
GENERAL OFFICE CLERKS.....553473	20	2.56	0.00	38.46	7.00
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	30	3.85	N.A.	N.A.	7.90
TRAFFIC, SHIPPING, & RECEIVING CLERKS.....580283	20	2.56	0.00	38.46	7.60
OTHER MATERIAL RECORDING, SCHEDULING & DISTRIBUTING.....580993	10	1.28	N.A.	N.A.	8.50
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	20	2.56	N.A.	N.A.	8.10
AGRICULTURAL, FORESTRY, FISHING & RELATED.....700003	10	1.28	N.A.	N.A.	7.30
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	570	73.08	N.A.	N.A	7.70
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED....810003	30	3.85	N.A.	N.A.	11.00
FIRST LINE SUPERVISORS, PRODUCTION & OPERATING.....810083	30	3.85	9.07	42.31	11.00
PRODUCTION INSPECTORS, TEST/GRADE/SORT/SAMPLE/WEIGH.....830053	30	3.85	0.00	11.54	7.00
OTHER INSPECTORS, TESTERS & RELATED WORKERS.....830993	10	1.28	N.A.	N.A.	6.40
MECHANICS, INSTALLERS & REPAIRERS.....850003	20	2.56	N.A.	N.A.	8.50
MACHINERY MAINTENANCE MECHANICS.....851103	10	1.28	0.00	3.85	9.00
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	10	1.28	0.00	15.38	8.30
PRECISION METAL WORKERS.....891003	100	12.82	N.A.	N.A.	8.00
JEWELERS & SILVERSMITHS.....891233	40	5.13	17.09	15.38	8.80

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
SIC 39 MISCELLANEOUS MANUFACTURING INDUSTRIE
BENCHMARK EMPLOYMENT: 770 TOTAL NUMBER OF RESPONDENTS: 26
REFERENCE DATE : May 12, 1992

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	AVERAGE HOURLY WAGE
OTHER PRECISION METAL WORKERS.....891993	60	7.69	N.A.	N.A.	$ 7.40
PRECISION WOODWORKERS.....893003	20	2.56	N.A.	N.A.	8.60
CABINETMAKERS & BENCH CARPENTERS.....893113	20	2.56	23.39	19.23	8.60
PRECISION WORKERS, NEC.....899003	10	1.28	N.A.	N.A.	8.50
PRECISION MOLDERS, SHAPERS, CASTERS & CARVERS.....899053	10	1.28	0.00	15.38	8.50
OTHER METAL/PLASTIC MACHINE SETTERS & OPERATORS.....921003	20	2.56	N.A.	N.A.	7.70
ALL OTHER MACHINE SETTERS, METAL/PLASTIC.....921973	20	2.56	N.A.	N.A.	7.70
OTHER TEXTILE & RELATED SETTERS & OPERATORS.....927993	10	1.28	N.A.	N.A.	5.30
OTHER MACHINE SETTERS, OPERATORS & TENDERS.....929003	50	6.41	N.A.	N.A.	7.60
OTHER MACHINE SETTERS, EXCEPT METAL/PLASTIC.....929973	10	1.28	N.A.	N.A.	7.60
OTHER MACHINE OPERATORS, EXCEPT METAL/PLASTIC.....929983	40	5.13	N.A.	N.A.	7.60
OTHER HAND WORKERS, NEC.....939003	210	26.92	N.A.	N.A.	7.20
ASSEMBLERS/FABRICATORS EXCEPT MACHINE/ELECTRONIC/PRECISION.....939563	170	21.79	8.00	50.00	7.20
OTHER HAND WORKERS, NEC.....939993	40	5.13	N.A.	N.A.	7.40
MOTOR VEHICLE OPERATORS.....971003	10	1.28	N.A.	N.A.	10.50
TRUCK DRIVERS-LIGHT, INCLUDE DELIVERY/ROUTE WORKERS.....971053	10	1.28	0.00	11.54	10.50
HELPERS, LABORERS & MATERIAL MOVERS, HAND.....980003	30	3.85	N.A.	N.A.	6.00
FREIGHT, STOCK & MATERIAL MOVERS, HAND.....987003	10	1.28	N.A.	N.A.	7.10
HAND PACKERS & PACKAGERS.....989023	20	2.56	0.00	19.23	5.40
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	20	2.56	N.A.	N.A.	8.20

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

NOTES ABOUT THE TABLES

Employment
As mandated by our confidentiality rule, if only one or two establishments reported a particular occupation, the employment for that occupation is not shown separately, but added to the appropriate "All Other" residual category. Also, if 50 percent or more of the employment for an occupation was reported by only one company, or if 75 percent or more of the employment was reported by only two firms, the estimate for this occupation will not be published unless authorization from the firm or firms is requested and received. The "Benchmark Employment" for each industry was based on the second quarter 1992 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law.

Employment and Percent of Total Employment
The detail in these columns may not add to totals due to rounding. Also, Total Employment may not equal Benchmark Employment due to rounding.

Relative Error (in %)
The relative error was computed only for specific occupations and not for residual categories nor the occupational groupings. Within an industry whose total response rate was 70 percent or better, occupational employment for an occupation with a relative error greater than 50 percent was not published separately but added to the residual category relevant to it. Within an industry whose total response rate was between 60 and 70 percent, occupational employment for an occupation with a relative error greater than 35 percent was not published separately but added to the residual category relevant to it. No occupational employment is published for an industry whose response rate was less than 60 percent. For an example of how the relative error is applied, see Accuracy of Occupational Employment Data in the METHODOLOGY.

Establishments Reporting the Occupations (%)
The percent of establishments reporting each occupation could not be readily calculated for groups of occupations, but only for specific occupations.

Abbreviations
SIC - Standard Industrial Classification, as defined in the 1987 edition of the *Standard Industrial Classification Manual*, prepared by the Executive Office of the President, Office of Management and Budget, Statistical Policy Division.

Industry Coverage
The following industries were included in our survey this year, but are not represented in this publication because this would have violated the confidentiality rule under which the data was collected, or because there was poor response from employers in that industry.

1. Paper and Allied Products, SIC 26
2. Petroleum Refining and Related Industries, SIC 29

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METHODOLOGY

The Sample

The second quarter 1991 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law was used as the sampling frame for the Occupational Employment Statistics (OES) Program's survey of manufacturing industries. This universe frame was stratified by three digit SIC (*Standard Industrial Classification*) codes and by six employment size classes: 1-9, 10-19, 20-49, 50-99, 100-249, and 250 and above. Establishments with 250 or more employees were included in the sample with certainty. Firms in the non-certainty segment were selected on a random basis in proportion to their share of total employment.

The universe for this survey consisted of 1,241 establishments each employing five or more employees, and a total of 94,147 persons (including employment in establishments employing less than five workers). Of these, the initial survey included 1,144 units, or 92.2 percent of the universe. These sample units employed 91,408 workers, accounting for 97.1 percent of total universe employment.

The Survey

The survey consisted of an initial mailing and two follow-up mailings to nonrespondents In addition, many phone calls and personal visits were made to those employers whose responses were critical for valid estimates. After adjusting for firms that went out of business, firms that changed their industry classification out of manufacturing and for consolidations, the final sample consisted of 1,038 units employing 88,365 employees. Usable responses were received from 823 units, or 79.3 percent of the 1,038 sampled units. These usable responses represented 70,414 persons, or 79.7 percent of the total employment in the surveyed units.

The Screening, Editing, and Estimating Procedure

Each completed questionnaire returned was edited and screened both manually and mechanically for consistency and accuracy. The survey data was then expanded to total wage and salary employment for each detailed industry using a series of nonresponse adjustment factors, weights, and benchmark factors. This total wage and salary employment by industry was derived from the second quarter 1992 ES-202 report of Employment, Wages, and Contributions covered by the Maine Employment Security Law. Self-employed persons, and other persons or establishments not covered by the ES-202 report are not included in this Occupational Employment Statistics (OES) publication.

Accuracy of Occupational Employment Data

There are two types of errors which affect the accuracy of the estimates published here--sampling and nonsampling errors. Sampling error is a specific arithmetic measure of the precision of an estimate. It is the difference between the estimate computed from the sample data and the result that would be obtained if the same methods were used to collect identical information from the entire population or universe. The relative error entries listed in this report are the sampling errors of each occupation expressed as a percent of that occupational estimate. In other words, relative error means that the chances are two out of three (a 68 percent confidence level) that the results of a comparable full-scale data collection (the universe) using the same survey approach would not differ from the estimates published here by more than the percent error shown. The chances are 19 out of 20 (a 95 percent confidence level) that the results from the two methods of data collection (sample vs census) would not differ by more than twice the percent error shown. For example, it is estimated in this report that in May 1992 there were 440 logging tractor operators in the lumber and woods products industry with a 7 percent relative error. Thus, at a 68 percent confidence level, the results of a full-scale count of logging tractor operatiors in

this industry would not differ from this estimate by more than 31 workers (440 x .07). At a 95 percent confidence level, the universe count would not differ from the estimate by more than 14 percent of 440 or 62 workers.

Nonsampling errors result from external factors in a survey rather than from the fact that a sampling technique was used. Examples of these errors are: response refusals, response errors, processing errors, computational errors, etc. The possibility of these errors was recognized from the start of the survey and every effort was made to avoid them.

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Other Occupational Staffing Patterns Publications

Publication Series Number	Industries Covered	Survey Date	Release Date
OES - 47	Agricultural Services	May 1992	December 1993
OES - 46	Hospitals	April 1992	December 1993
OES - 44	Federal Government	March 1992	December 1992
	State Government	May 1991	December 1992
	Local Government	May 1991	December 1992
*OES - 43	Educational Services	April 1991	December 1992
OES - 42	Wholesale Trade Retail Trade Transportation Communications Electric, Gas, & Sanitary Services	April/May/June 1991	December 1992
*OES - 41	Mining Construction Finance, Insurance, and Real Estate Services (Except hospitals and education)	April/May/June 1990	July 1992

*Does not include occupational wage data.

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